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WADC TECHNICAL REPORT 53-484

PART II

VOLUME II

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**THE PHYSIOLOGICAL BASIS FOR VARIOUS CONSTITUENTS
IN SURVIVAL RATIONS**

Part II. The Efficiency of Young Men Under Conditions of Moderate Cold

FREDERICK SARGENT, II, CAPTAIN, USAF (MC)

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STANLEY G. STOLPE, PH.D.

UNIVERSITY OF ILLINOIS

MAY 1955

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MAY 1955

AERO MEDICAL LABORATORY

CONTRACT No. AF 18(600)-80

PROJECT No. 7156

WRIGHT AIR DEVELOPMENT CENTER
AIR RESEARCH AND DEVELOPMENT COMMAND
UNITED STATES AIR FORCE
WRIGHT-PATTERSON AIR FORCE BASE, OHIO

FOREWORD

The investigations described in this report were carried out in three principal phases. A detailed protocol for a winter field test was designed in November and December of 1953. A 42-day metabolic investigation was made under field conditions at Chanute AFB, Illinois, and Camp McCoy, Wisconsin, in the months of February, March, and April 1954. The biological specimens collected and the clinical observations made were analyzed in the laboratories of the Health Service Research Unit, McKinley University Hospital, and the Department of Physiology, University of Illinois, Urbana, between April and December 1954. The research was supported by Contract No. AF 18(600)-80, with Aero Medical Laboratory, Directorate of Research, WADC, Project No. 7156, "Flight and Survival Foods, Feeding Methods, and Nutritional Requirements," Task No. 71805, "Nutritional Physiology of Men Under Air Force Operating Conditions and Emergency Situations," (formerly RDO No. 698-81, "Survival Ration Requirements"). The Contract Monitor was Dr. H. C. Dyme, Chief, Nutrition Section, the Project Scientist, Lt. Col. A. A. Taylor, USAF (VC), and the Task Engineer, Dr. R. F. Kline, also of the Nutrition Section, Aero Medical Laboratory, WADC. Lt. Col. Roy W. Otto, Chanute AFB, served throughout as the Project Officer. This report constitutes the results of the joint efforts of the responsible investigators, R. E. Johnson, F. Sargent, II, and S. G. Stolpe, and a team of civilian and military associates to whom most of the credit should go for the success of these studies. A team roster is included in Section VII: Acknowledgements.

This investigation would not have been possible without the generous cooperation of the University Health Service, especially in making space available in laboratories of the Health Service Research Unit at McKinley University Hospital, University of Illinois.

We wish to acknowledge the generous cooperation received from Air Research and Development Command, Air Training Command, Fifth Army, and the Purchasing Department of the University of Illinois. To Mrs. Norma Templin we extend our thanks for assistance in editing this report. To Mr. Jamal Samiany we are indebted for the quantitative charts.

ABSTRACT

From February 22, 1954, through April 4, 1954, 87 volunteer airmen and 12 volunteer non-commissioned officers served as subjects in a study of survival rations in moderate cold at Chanute AFB and in the field at Camp McCoy, Wisconsin. The original data collected during the six-week period of study on these 99 volunteer subjects are detailed in the tables of these appendices.

PUBLICATION REVIEW

This report has been reviewed and is approved.

FOR THE COMMANDER:

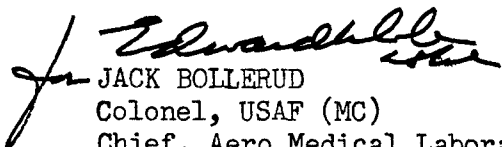

JACK BOLLERUD
Colonel, USAF (MC)
Chief, Aero Medical Laboratory
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TABLE OF CONTENTS

	Page
Appendix I: Methods	379
Appendix II: Original Biochemical and Physiological Data	394
Appendix III: Dietary Data	615
Appendix IV: Case Histories	641
Appendix V: Meteorological Data	672
Appendix VI: Forms for Recording Observations and Measurements . .	675

APPENDIX I — METHODS

TABLE OF CONTENTS

	Page
Micro Blood Sugar Determination	379
Estimation of Total Body Water by Deuterium Oxide	381
Measurement of Respiratory Metabolism with Gas Meters	392

In this section methods used in the 1954 winter tests are given in detail where the procedures have not been described fully in other publications.

MICRO BLOOD SUGAR DETERMINATION (Field Method)

Reagents:

1. Alkaline copper tartrate. Dissolve 40 gm of pure anhydrous sodium carbonate in 400 ml of water in a liter flask. Add 7.5 gm of tartaric acid (USP). When latter has dissolved, add 4.5 gm of crystallized cupric sulfate (USP). Mix and dilute to volume.
2. Phosphomolybdic solution. To 35 gm of A.C.S. molybdic acid (anhydrite) and 5 gm of A.C.S. sodium tungstate, add 200 ml of 10% sodium hydroxide and 200 ml of water. Boil vigorously for 20 to 40 minutes. Cool. Dilute to about 350 ml and add 125 ml of concentrated 85% phosphoric acid. Dilute to 500 ml.
3. 0.115 N sulfuric acid.
4. 1% sodium tungstate solution. Dilute 10% solution 1-10.
5. Standard solutions. Dilute the stock glucose solution (1 gm of dextrose in 100 ml of 0.25% benzoic acid; 1 ml = 10 mg) as follows:
 - a. 5 ml to 100 ml of water: 1 ml = 0.5 mg of glucose.
 - b. 10 ml to 100 ml of water: 1 ml = 1.0 mg of glucose.

Apparatus:

1. Quantity of Lusteroid test tubes.

2. Quantity of 18 x 150 mm Pyrex test tubes previously optically matched.
3. Several 100 ml mixing cylinders.
4. Quantity of pipettes: 0.1 ml and 2 ml; 25 ml serological; 10 ml syringe.
5. Angle-head centrifuge.
6. Coleman Jr. Spectrophotometer Model 6.
7. Hot plates and pans to serve as water bath.

Procedure:

1. Add exactly 2.0 ml of 0.115 N H_2SO_4 to a Lusteroid tube.
2. Add exactly 0.1 ml of whole blood (blow-out pipette) and mix.
3. Let stand for a few minutes and add 3.0 ml of the 1% sodium tungstate solution and mix.
4. Centrifuge until supernatant solution is clear. In angle-head centrifuge, about ten minutes will be required.
5. Transfer 2.0 ml of clear supernatant liquid into a matched 18 x 150 mm Pyrex test tube.
6. Add 2.0 ml of the alkaline copper tartrate solution. Mix by tapping bottom of the tube.
7. Boil in water bath for 6 minutes.
8. Cool for 3 minutes in a water bath (25°C).
9. Add 2.0 ml phosphomolybdate solution. Mix by tapping bottom of the tube.
10. Let stand for 10 minutes.
11. Mix by swirling and tapping tube, and dilute to 13 ml, by adding 7.0 ml of distilled water.
12. Invert several times to mix.
13. Measure optical density at 650 $\text{m}\mu$ against a similarly treated reagent blank set at 0.0.

Blank:

Steps 1-12 except step #2.

Standards and Calculations:

1. Run two standards --- 50 mg/100 ml and 100 mg/100 ml --- with each series of unknowns.
2. Calculate glucose concentration in unknowns from standard curve.

Remarks:

All specimens will be run in duplicate from the beginning, not from the centrifuge stage.

ESTIMATION OF TOTAL BODY WATER BY DEUTERIUM OXIDE

References: Hevesy, G., and E. Hofer. Elimination of Water from the Human Body. Nature, London, 134:879-880 (1934); Moore, F. D. Determination of Total Body Water with Solids and Isotopes. Science, 104:157-160 (1946).

Principle: Total body water is estimated by the dilution of a known amount of heavy water. It is assumed that the distribution kinetics of heavy water and ordinary water are identical. The estimation of total body water by deuterium oxide dilution involves the following phases:

1. Introduction of deuterium oxide.
 - a. Intravenous deuterium oxide in saline infusion.
 - b. Oral dose of deuterium oxide in water.
2. Estimation of deuterium oxide in urine.
 - a. Acid distillation of urine.
 - b. Alkaline-permanganate distillation product of stage A.
 - c. Estimation of D_2O/H_2O ratio in pure water.
3. Estimation of deuterium oxide in plasma and serum.
 - a. Purification of plasma or serum.
 - b. Estimation of D_2O/H_2O ratio in pure water.

Phase 1. Introduction of Deuterium Oxide

Intravenous Infusion of Deuterium Oxide.

The infusion apparatus described in the antipyrine section of WADC TR 53-484, Part 1 was the one also used for the infusion of deuterium oxide. Whenever

deuterium oxide was given intravenously, antipyrine infusion always preceded the deuterium oxide infusion. After the infusion of antipyrine and its wash solutions of saline, the injection syringe used for antipyrine was replaced by a weighed 100-ml syringe containing deuterium oxide. The volume of deuterium oxide administered was adjusted so as to give an estimated concentration of 0.2 percent in the body water at equilibrium. Usually about 75 ml of pure deuterium oxide were infused. The system was rinsed as described above three times with 20-ml aliquots of sterile saline.

Deuterium oxide reaches equilibrium in the body fluids in approximately two hours (Schloerb et al., 1950). Blood samples to be analyzed for deuterium oxide were obtained at 2.5 and 3.5 hours after the administration of deuterium oxide. The blood samples were allowed to clot, the sera were separated by centrifugation, and transferred for storage in glass ampules which were sealed in a flame after the sera had been placed in them. The remainder of the infused solutions were preserved in their original containers at room temperature. The sealed sera were stored at -15°C .

Phase 2. Estimation of Deuterium Oxide in Urine

Principle: Deuterium oxide has chemical properties identical with those of hydrogen oxide. Prior to analysis on the basis of its physical properties, pure water is prepared from urine. Its deuterium oxide concentration is then estimated by the falling drop method. There are three stages to the estimation: (A) acid distillation of the urine; (B) alkaline-permanganate distillation of the water from stage A; and (C) estimation of the $\text{D}_2\text{O}/\text{H}_2\text{O}$ ratio in the pure water.

Stage A. Acid Distillation of the Urine

Equipment and Supplies:

1. 50-ml burette with funnel for conc. H_2SO_4 .
2. Three glass still set-ups, each consisting of condenser, 75° extension, and 300-ml round bottom flasks, each with standard taper joints.
3. Ring stands, triangles and Meeker burners.
4. Nine each, 100-ml graduate cylinders, 50-ml graduate cylinders, 300-ml flasks with standard taper necks and 3 inch long stem funnels.
5. Drying oven.
6. Twelve micro-Kjeldahl digestion flasks and rack.
7. Six place Kjeldahl digestion manifold.
8. Standard taper necks for Kjeldahl digestion flasks.

Reagents:

1. Conc. H_2SO_4 .
2. Distilled water.
3. Glass beads.
4. NaOH (pellets).
5. KMnO_4 (fine granular).

Procedure:

1. In each Kjeldahl flask install the standard taper neck. Add to each and set aside for further use the following:
 - a. Six glass beads.
 - b. Two pellets NaOH.
 - c. One small spatula of KMnO_4 (approximately 100 mg).
2. In each 300-ml flask place three beads and 2 ml of conc. H_2SO_4 .
3. Add approximately 50 ml of urine specimen from 100-ml graduate, mix by swirling and watch carefully for frothing over. Install in distillation apparatus.
4. Wash and start drying the 100 ml graduate cylinder.
5. Turn on water for still and place 50-ml graduates at the tip of the stills.
6. Light a small flame under the flasks and watch carefully for frothing over. After boiling without frothing has commenced, raise the flame to medium.
7. Discard the first 5 ml and collect the next 25-30 ml of distillate.
8. Turn off flame and pour distillate into Kjeldahl flask through funnel.
9. Remove funnel and rotate flask gently to dissolve KMnO_4 and NaOH.
10. Remove, wash and start drying flasks, extensions, graduates and funnels.

Stage B. Alkaline-permanganate Distillation of Water from Stage A

Equipment and Supplies:

Battery of stills consisting of the following:

1. Air condenser.
2. 105-75 degree connectors with standard taper joints.
3. Water condenser (perpendicular).
4. 25 ml graduate cylinders for collecting distillate.
5. Meeker burners, tripods, clay triangles.
6. Rigid racks and clamps for distillation apparatus.

Reagents:

None

Procedure:

1. Place Kjeldahl flasks in digestion manifold and heat with a gentle flame until boiling has proceeded gently for from 1-2 minutes.
2. Turn off flame and remove digestion flasks to rack, smell each and if there is an odor add one pellet of NaOH and reboil.
3. Remove standard taper necks, wash, and commence drying.
4. Install Kjeldahl flasks at the base of the air condenser, test fit of condenser, install 25 ml-graduated cylinder below water condenser and turn on gas very gently.
5. When gentle boiling has commenced without frothing or bumping increase flame slightly so boiling is vigorous.
6. Discard the first 5 ml of the distillate and collect the next 10 ml.
7. After distillation of 10 ml, turn off flame and transfer the sample to a clean, dry, screw-capped one-half ounce vial for determination of the D_2O/H_2O ratio.

Stage C. Determination of D_2O/H_2O ratio

References: Schloerb, P. R., Friis-Hansen, B. J., Edelman, I. S., Sheldon, D. B. and Moore, F. D. The Measurement of Deuterium Oxide in Body Fluids by the Falling Drop Method. J. Lab. and Clin. Med., 37:653-662 (1951).

Equipment and Supplies:

The falling drop apparatus consists of the following: (Process and Instruments Co., 60 Greenpoint Ave., Brooklyn, N. Y.)

1. Temperature bath in which the temperature is kept constant to 0.001°C .
2. Sensitive mercury thermo-regulator.
3. Electronically controlled thermo-relay.
4. Dropping tube with two graduation marks 15 cm apart, encased in a water jacket.
5. Mercury micro-pipette and lifting assembly.
6. Cooling fan mounted above bath.
7. Mixing motor and shaft.
8. Beckman thermometer.

Reagents:

1. Mercury.
2. Orthofluorotoluene (saturated with water).

Procedure:

1. Fill the bath to level with distilled water.
2. Adjust Beckman thermometer so that 27.0°C reads at some convenient position, and mount in its permanent position.
3. Switch power, fan, and continuous heater on.
4. With a sensitive thermometer in the bath adjust the thermo-regulator to regulate at 27°C .
5. Turn continuous heater off and allow bath to equilibrate for from 6-12 hours at 27°C before commencing to drop.
6. Fill mercury reservoir and pipette adjuster with mercury.
7. Fill dropping column with orthofluorotoluene (saturated with distilled water) and place in its permanent position; use leveling device to insure perpendicular position.
8. After equilibration of the bath and column of orthofluorotoluene the pipette may be filled as follows:
 - a. Engage pipette stopcock to connect pipette and adjusting mechanism.
 - b. Express mercury to the tip of the pipette by turning the pipette adjuster knob clockwise.

- c. Lower the pipette into the solution that is to fill the pipette.
 - d. Turn pipette adjuster knob counter clockwise until the pipette is filled.
 - e. Rinse the pipette in the above manner at least three times before drawing in the solution to be dropped. Wipe away the excess solution around the tip of the pipette each time.
9. To form and drop a standard sized drop the following procedure is followed:
- a. Center tip of the filled micro-pipette over the center of the orthofluorotoluene column.
 - b. With the index finger and thumb of the left hand guide the pipette as it is lowered into the center of the column.
 - c. The pipette is lowered into the orthofluorotoluene solution by rotating the handle of the pipette lifting mechanism counter clockwise.
 - d. With the tip of the pipette just below the surface of the orthofluorotoluene, express a drop of about 22 mm from the pipette (1-mm capillary tubing graduated at 7 mm intervals); four divisions of the pipette will provide such a drop.
 - e. With the thumb and index finger still guiding the pipette rotate the handle of the pipette lifting mechanism slowly clockwise. The drop is pulled off the tip of the pipette by surface tension as the pipette leaves the orthofluorotoluene.
 - f. When the drop has fallen about one inch down the column immerse the tip of the pipette into the orthofluorotoluene and repeat above for the next drop.

Precautions:

1. All glassware must be clean and dry.
2. Add urine slowly down the side of the distillation flasks; if frothing commences, swirl flask and wait for frothing to subside before adding remainder of urine.
3. If frothing commences upon heating wait for the froth to clear and direct the flame to the side of the flask rather than directly below the center.
4. Filling of the pipette and formation of a standard size drop should be practiced in order to learn the peculiarities of the pipette adjusting mechanism.

Phase 3. Estimation of Deuterium Oxide in Plasma and Serum

Reference: Schloerb, P. R., Friis-Hansen, B. J., Edelman, I. S., Sheldon, D. B. and Moore, F. D. The Measurement of Deuterium Oxide in Body Fluids by the Falling Drop Method. J. Lab. and Clin. Med., 37:653-662 (1951).

Principle: Pure water is prepared from plasma or serum by double vacuum distillation carried out without added reagents and without change in glassware. Deuterium oxide is analyzed on the basis of its physical properties by the falling drop procedure. There are two stages to the estimation.

- A. Purification of plasma or serum by vacuum distillation.
- B. Estimation of the D_2O/H_2O ratio in the pure water.

Stage A. Purification of Plasma or Serum

Equipment and Supplies:

1. Battery of twelve vacuum distillation units, obtainable from Process and Instruments Co., and consists of:
 - a. U tube, both ends $\text{\textcircled{S}} 10/30$; and a $\text{\textcircled{S}}$ glass cap for the distal end.
 - b. In tube trap both ends $\text{\textcircled{S}} 10/30$.
 - c. End tube trap with $\text{\textcircled{S}} 19/38$ joint at top; and glass cap, also $\text{\textcircled{S}} 19/38$, both ends are $\text{\textcircled{S}} 10/30$.
 - d. Springs.
2. Two six place manifolds with $\text{\textcircled{S}} 19/38$ joint for dry ice acetone trap.
3. Dry ice acetone trap.
4. Necessary glassware with ground glass joints to assemble.
5. Mercury manometer.
6. Cenco "Hyvac" vacuum pump.
7. High vacuum rubber tubing.
8. Two dry air traps.
9. Fourteen Dewar flasks.

Reagents:

1. Dry ice.
2. Acetone.
3. Apiezon M high vacuum grease.
4. Detergent (Na_3PO_4).
5. Conc. HNO_3 .
6. Distilled water.
7. Glass wool.
8. Drying oven.

Procedure:

1. Assemble apparatus using Apiezon M to seal all joints.
2. Brace each unit by means of a burette clamp and ring stand.
3. Fill Dewar flasks with pulverized dry ice and acetone and set aside for use in step 7.
4. Remove U tube and introduce 1 ml of the sample.
5. Immerse U tube with the sample in dry ice acetone mixture.
6. Place U tube in distillation unit with S cap sealed in place.
7. Place Dewar flask under in tube trap so that at least one inch of this trap is below the surface of the dry ice acetone mixture.
8. With the system completely closed off turn on vacuum pump.
9. Allow half of the material in the U tube to be distilled into the "in" tube trap.
10. Turn vacuum pump off.
11. Introduce dry air slowly through dry air trap.
12. Remove U tube and S cap.
13. Place S cap from the distal end of the U tube to the distal end of the "in" tube trap.

14. Remove the Dewar flask from below the "in" tube trap and place under the end tube trap.
15. Close dry air trap.
16. With system completely closed off turn on vacuum pump.
17. Allow distillation to proceed until all material in the "in" tube goes to dryness.
18. Turn off vacuum pump.
19. Introduce dry air through air trap.
20. Remove Dewar flask from end tube trap, and allow liquid in this trap to melt.
21. Remove end tube trap and seal with 10/30 caps until ready for analysis.
22. Remove all grease from joints with acetone and ether, soak all glassware in 10% Na_3PO_4 solution, rinse in 10% HNO_3 , wash with tap water and distilled water, and dry in drying oven.

Stage B. Estimation of the $\text{D}_2\text{O}/\text{H}_2\text{O}$ ratio in the Pure Water

Equipment and Supplies:

Same as in stage C of estimation of $\text{D}_2\text{O}/\text{H}_2\text{O}$ ratio in urine.

Reagents:

Also same as in stage C of estimation of $\text{D}_2\text{O}/\text{H}_2\text{O}$ ratio in urine.

Procedure:

- 1-7. Same as in stage C of estimation of $\text{D}_2\text{O}/\text{H}_2\text{O}$ ratio in urine.
8. Remove cap from the top on the end tube trap and wipe away excess grease.
9. To fill pipette immerse the tip directly into the liquid of the end tube trap. Since the volume of this solution is relatively small it is necessary to use small quantities for rinsing of the pipette. Three rinses of about 20-ml volume before filling the pipette for dropping were found satisfactory.
10. Same as step 9 in stage C of estimation of $\text{D}_2\text{O}/\text{H}_2\text{O}$ ratio in urine.

Stage C. Steps for calculation of D₂O space

1. Collection period = 24 hrs for subjects or known time for cadre.
2. Volumes are recorded in ml.
3. D₂O in original is determined by dropping against one set of weighed standards, expressed as gm D₂O/100 ml.
4. D₂O lost in urine (gm) =
(D₂O in original urine, gm/100 ml) x (Volume in ml).
5. D₂O lost in insensible perspiration (i.e., IW, gm) =
(0.7 ml IW/kg body weight/hr) x (PRE-body weight in kg) x (D₂O in original urine, gm/100 ml) x $\left(\frac{1}{100}\right)$ x (hrs of collection).
6. Correction for urine blank is the average of Flight 1 Pre-D₂O (Day 9), corrected for decay on basis of 5 subjects who came off early.
7. Dosage on M 3 was 35.3 gm. Dosage on M 17 was 16.9 gm.
8. On M 4, D₂O space (liters) = (D₂O remaining, gm) ÷ (D₂O ratio - 0.0045).
9. On M 19, D₂O space (liters) = (D₂O remaining, gm) ÷
(D₂O ratio, corrected for decay on M 17, 18, and 19 - 0.0045).

Stage D. Water Diuresis Test

Principle: The assumption is made that in normal and abnormal states of water and salt balance a water load will produce a diuresis, and that in abnormal states of water and salt balance the magnitude of the water load recovered by way of urine formation will reflect the degree of abnormality present.

Equipment and Supplies:

1. 1000-ml graduated cylinder.
2. 500-ml graduated cylinder.
3. 5 gallon water can.
4. 2-quart individual drinking containers.
5. Drinking glasses.
6. 1-quart cans of narrow mouth bottles.

7. Urometer.

8. Thermometer.

Reagents:

1. Tap water at room temperature.

Procedure:

1. The duties of the subject are as follows:
 - a. No fluids or food allowed after supper of the pre-test day.
 - b. Void at 2230 hrs (10:30 P.M.) on the pre-test day and discard this urine sample.
 - c. Collect all urine in a special container, properly labeled, voided from 2230 hrs of the pre-test day to 0730 hrs of the test day.
 - d. Void at 0830 hrs and collect the 0730-0830 sample in a properly labeled container.
 - e. Drink 20 ml of water per kilogram of body weight from 0830 to 0915.
 - f. Void at 0930, 1030, 1130, 1230 hrs and collect each hourly specimen in a separate and properly labeled container.
2. The duties of the administering personnel are as follows:
 - a. On pre-test day clean and fill water cans with tap water and allow to equilibrate at room temperature until the following morning.
 - b. Prepare labeled drinking containers with the subjects' names and numbers, date and volume of water to be administered.
 - c. Calculate water load for each subject.
 - d. Prepare labeled urine containers with the subject's name and number, date and time of the collection period; make up one container for each collection period.
 - e. The collection periods are as follows:

2230 pre-test day - 0730 test day
0730 - 0830 hrs. test day
0830 - 0930 hrs. test day
0930 - 1030 hrs. test day
1030 - 1130 hrs. test day
1130 - 1230 hrs. test day

- f. Measure urine volume and specific gravity for each collection period.

Precautions:

1. The subject must remain supine during the entire test (i.e., from 2230 hrs pre-test day to 1230 test day) with the exception of the drinking period and those times during which he is urinating.
2. The subjects are requested to urinate at the end of each hour, but will be allowed to urinate before the end of a collection period if necessary.
3. The subjects are not allowed to smoke or use tobacco in any form.
4. Subjects are requested not to use alcohol or other diuretics to excess during the pre-test day.
5. The room temperature should be comfortably warm but not hot; there should be blankets available for those subjects who become chilled as the result of the water load.

Calculations:

$$\% \text{ load recovered} = \frac{(V_1 + V_2 + V_3 + V_4) - (4 \times \text{basal volume})}{20 \text{ ml/kg} \times \text{body weight (kg)}} \times 100$$

where $V_1, 2, 3, 4$ are the volumes of the hourly post-load specimens.

MEASUREMENT OF RESPIRATORY METABOLISM WITH GAS METERS

Reference: Johnson, R. E., Benedix, R. H., Evans, R. D. and Cohen, M. Measurement of Respiratory Metabolism with Gas Meters, (unpublished). Consolazio, C. F., Johnson, R. E., and Marek, E. Metabolic Methods, C. V. Mosby Co., St. Louis, 1951.

Principle: The total inspired air volume, the total expired gas volume and the total expired gas volume less carbon dioxide are determined for a measured period of time by utilizing an appropriate gas meter series and a device which will completely absorb expired carbon dioxide. Oxygen consumption is the difference between the total inspired air volume (meter 1) and the expired gas volume less carbon dioxide (meter 3). The carbon dioxide produced during the same period is determined by taking the difference between the total expired gas volume (meter 2) and the expired gas volume less carbon dioxide (meter 3). Since gas meters do not give absolute values, appropriate correction factors must be applied.

Procedure:

The details of the method together with a description of the apparatus will be found in the following report:

Johnson, R. E., Nielsen, T. W., Evans, R. D., and Benedix, R. H.:
Rapid Field Methods of Measuring Energy Metabolism during Exposure
to Environmental Extremes. Final report on work done under Contract
No. DA 44-109-qm-735. (August) 1954, pp. 80.

APPENDIX II

ORIGINAL BIOCHEMICAL AND PHYSIOLOGICAL DATA

TABLE OF CONTENTS

(Each set of four tables contains data for Flights 1, 2, 3 and 4, respectively.)

	Pages
Tables AII. 1-4. Nutrient Regimens	399-401
Tables AII. 5-8. Serum Osmolarity	402-404
Tables AII. 9-12. Serum Sodium	405-407
Tables AII. 13-16. Serum Potassium	408-410
Tables AII. 17-20. Serum Calcium	410-413
Tables AII. 21-24. Serum Inorganic Phosphate	413-415
Tables AII. 25-28. Serum Chloride	416-418
Tables AII. 29-32. Serum Cholinesterase	419-421
Tables AII. 33-36. Serum Amylase	421-423
Tables AII. 37-40. Serum Alkaline Phosphatase	424-426
Tables AII. 41-44. Serum Non-Protein Nitrogen	427-429
Tables AII. 45-48. Serum Creatinine	430-432
Tables AII. 49-52. Serum Total Cholesterol	432-434
Tables AII. 53-56. Blood Glucose	435-437
Tables AII. 57-60. Erythrocyte Sedimentation Rate	438-440
Tables AII. 61-64. Hematocrit	440-442
Tables AII. 65-68. Total White Blood Cell Count	443-445
Tables AII. 69-72. Neutrophil Count	446-448
Tables AII. 73-76. Lymphocyte Count	448-450
Tables AII. 77-80. Eosinophil Count	451-453
Tables AII. 81-84. Monocyte Count	454-456

TABLE OF CONTENTS (contd)

	Pages
Tables AII. 85-88. Basophil Count	456-458
Tables AII. 89-92. Mean Daily Urinary Volume	459-461
Tables AII. 93-96. Mean Daily Urinary Sodium	462-464
Tables AII. 97-100. Mean Daily Urinary Potassium	464-466
Tables AII. 101-104. Mean Daily Urinary Calcium	467-469
Tables AII. 105-108. Mean Daily Urinary Phosphorus	470-472
Tables AII. 109-112. Mean Daily Urinary Chloride	472-474
Tables AII. 113-116. Mean Daily Urinary Nitrogen	475-477
Tables AII. 117-120. Mean Daily Urinary 17-Ketosteroids	478-480
Tables AII. 121-124. Minute Urinary Volume	480-482
Tables AII. 125-128. Minute Urinary Osmolar Excretion	483-485
Tables AII. 129-132. Minute Urinary Creatinine Excretion	486-488
Tables AII. 133-136. Minute Urinary Creatine Excretion	488-490
Tables AII. 137-140. Urinary Titrable Acidity	491-493
Tables AII. 141-144. Urinary pH	494-496
Tables AII. 145-148. Urinary Ammonia Nitrogen	496-498
Tables AII. 149-152. Addis Count-Red Blood Cells	499-501
Tables AII. 153-156. Addis Count-Casts	502-504
Tables AII. 157-160. Addis Count-Epithelial Cells	504-506
Tables AII. 161-164. Addis Count-White Blood Cells	507-509
Tables AII. 165-168. Urinalysis - Albuminuria	510-512
Tables AII. 169-172. Urinalysis - Ketonuria	512-514
Table AII. 173. Urinalysis - Glucose	515
Tables AII. 174-177. Urinalysis - Daily Ketonuria	516-519

TABLE OF CONTENTS (contd)

	Pages
Table AII. 178. Daily Urinary Osmolar Excretion	520
Tables AII. 179-180. Daily 17-Ketosteroid Excretion	521
Tables AII. 181-184. Mean Daily Fecal Wet Weight	522-524
Tables AII. 185-188. Mean Daily Fecal Nitrogen	525-527
Tables AII. 189-192. Mean Daily Fecal Fat	527-529
Tables AII. 193-196. Mean Daily Fecal Potassium	530-532
Tables AII. 197-200. Fecal Benzidine Reaction	533-535
Tables AII. 201-204. Fecal Fibers	535-537
Tables AII. 205-208. Creatinine Clearance	538-540
Tables AII. 209-212. Urine/Serum Osmotic Ratio	541-543
Tables AII. 213-216. Osmotic Clearance	543-545
Tables AII. 217-220. Resting Pulmonary Ventilation	546-548
Tables AII. 221-224. Resting Oxygen Consumption	549-551
Tables AII. 225-228. Resting Carbon Dioxide Production	551-553
Tables AII. 229-232. Resting Metabolic Rate	554-556
Tables AII. 233-236. Resting Respiratory Quotient	557-559
Tables AII. 237-240. Resting Systolic Blood Pressure	559-561
Tables AII. 241-244. Resting Diastolic Blood Pressure	562-564
Tables AII. 245-248. Resting Pulse Rate	565-567
Tables AII. 249-252. Passage of Time - 20 Seconds	567-569
Tables AII. 253-256. Passage of Time - 45 Seconds	570-572
Tables AII. 257-260. Passage of Time - 70 Seconds	573-575
Table AII. 261. Half-Mile Run: Lapsed Time	575
Table AII. 262. Half-Mile Run: Pulse Rate	577

TABLE OF CONTENTS (contd)

	Pages
Tables AII. 263-266. Calorie Balance	578-580
Tables AII. 267-270. Water Balance	580-582
Tables AII. 271-274. Nitrogen Balance	583-585
Tables AII. 275-278. Sodium Balance	586-588
Tables AII. 279-282. Potassium Balance	588-590
Tables AII. 283-286. Chloride Balance	591-593
Tables AII. 287-290. Body Fat - Per Cent Body Weight	594-596
Tables AII. 291-294. Body Fat - Kilograms	596-598
Tables AII. 295-298. Daily Body Weight	600-612

COMMENTS ON ORIGINAL DATA

A. Nutrient Regimens

1. All subjects, except flight leaders, subsisted on 5-in-1 Ration in P I, P II, and REC I.
2. Flight leaders (Nos. 90-101, incl.) subsisted on Field A Ration in all periods and subjects in REC II.
3. The flight leaders were never on restricted water.
4. "Rehab" regimen in EXP I and II refers to diets fed subjects coming off experimental regimens before end of 14-day period. The "Rehab" regimen was one of the "D" regimens.
5. Subject Nos. 8 and 16 began their experimental regimens on Day 4 of EXP I.

B. Biochemical and Physiological Data

1. Dashes (-) refer to data omitted because (1) subject was not tested, (2) subject was not in comparable condition to other subjects, or (3) specimens were lost or broken in storage.
2. Where data were missing in P I or P II, subject's other pre-period value or mean value for flight were substituted for calculating

individual subject's pre-period mean. Such substituted values have been placed within parentheses.

3. In Tables AII. 174-180 daily biochemical data are presented. In these tables the "M" stands for March; e.g., "M8" refers to specimens collected on March 8.
4. In Tables AII. 261-262 a similar convention is employed. "F" = February and "M" = March.
5. In Tables AII. 295-298 "F" = February, "M" = March, and "A" = April.

TABLE AII. 1

NUTRIENT REGIMENS: FLIGHT 1
(Hard Work, Unlimited Water in EXP I and II)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
1	5-in-1	5-in-1	STO/Rehab	Rehab	5-in-1	A Ration
2	"	"	STO	STO	"	"
3	"	"	"	"	"	"
4	"	"	"	Rehab	"	"
5	"	"	0/100/0 1000	0/100/0 1000	"	"
6	"	"	"	"	"	"
7	"	"	0/100/0 2000	0/100/0 2000	"	"
8	"	"	"	"	"	"
9	"	"	30/0/70 1000	30/0/70 1000	"	"
10	"	"	"	"	"	"
11	"	"	30/0/70 2000	30/0/70 2000	"	"
12	"	"	"	"	"	"
13	"	"	2/20/78 1000	2/20/78 1000	"	"
14	"	"	"	"	"	"
15	"	"	2/20/78 2000	2/20/78 2000	"	"
16	"	"	"	"	"	"
17	"	"	15/52/33 1000	15/52/33 1000	"	"
18	"	"	"	"	"	"
19	"	"	15/52/33 2000	15/52/33 2000	"	"
20	"	"	"	"	"	"
21	"	"	15/52/33 3000	15/52/33 3000	"	"
22	"	"	"	"	"	"
90	A Ration	A Ration	A Ration	A Ration	A Ration	A Ration
91	"	"	"	"	"	"
92	"	"	"	"	"	"

TABLE AII. 2

NUTRIENT REGIMENS: FLIGHT 2
(Hard Work, Restricted Water in EXP I and II)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
23	5-in-1	5-in-1	STO	STO	5-in-1	A Ration
24	"	"	"	"	"	"
25	"	"	"	"	"	"

TABLE AII. 2 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
26	5-in-1	5-in-1	STO	STO	5-in-1	A Ration
27	"	"	0/100/0 1000	0/100/0 1000	"	"
28	"	"	"	"	"	"
29	"	"	0/100/0 2000	0/100/0 2000	"	"
30	"	"	"	"	"	"
31	"	"	30/0/70 1000	30/0/70 1000	"	"
32	"	"	"	"	"	"
33	"	"	30/0/70 2000	30/0/70 2000	"	"
34	"	"	"	"	"	"
35	"	"	2/20/78 1000	2/20/78 1000	"	"
36	"	"	"	"	"	"
37	"	"	2/20/78 2000	2/20/78 2000	"	"
38	"	"	"	"	"	"
39	"	"	15/52/33 1000	15/52/33 1000	"	"
40	"	"	"	"	"	"
41	"	"	15/52/33 2000	15/52/33 2000	"	"
42	"	"	"	"	"	"
43	"	"	15/52/33 3000	15/52/33 3000	"	"
44	"	"	"	"	"	"
93	A Ration	A Ration	A Ration	A Ration	A Ration	A Ration
94	"	"	"	"	"	"
95	"	"	"	"	"	"

TABLE AII. 3

NUTRIENT REGIMENS: FLIGHT 3
(Light Work, Unlimited Water in EXP I and II)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
45	5-in-1	5-in-1	STO	STO	5-in-1	A Ration
46	"	"	"	"	"	"
47	"	"	STO	Rehab	"	"
49	"	"	0/100/0 1000	0/100/0 1000	"	"
50	"	"	"	"	"	"
51	"	"	0/100/0 2000	0/100/0 2000	"	"

TABLE AII. 3 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
52	5-in-1	5-in-1	0/100/0 2000	0/100/0 2000	5-in-1	A Ration
53	"	"	30/0/70 1000	30/0/70 1000	"	"
54	"	"	"	"	"	"
55	"	"	30/0/70 2000	30/0/70 2000	"	"
56	"	"	"	"	"	"
57	"	"	2/20/78 1000	2/20/78 1000	"	"
58	"	"	"	"	"	"
59	"	"	2/20/78 2000	2/20/78 2000	"	"
60	"	"	"	Rehab	"	"
61	"	"	"	2/20/78 2000	"	"
62	"	"	15/52/33 1000	15/52/33 1000	"	"
63	"	"	"	"	"	"
64	"	"	15/52/33 2000	15/52/33 2000	"	"
65	"	"	"	"	"	"
66	"	"	15/52/33 3000	15/52/33 3000	"	"
96	A Ration	A Ration	A Ration	A Ration	A Ration	A Ration
97	"	"	"	"	"	"
98	"	"	"	"	"	"

TABLE AII. 4

NUTRIENT REGIMENS: FLIGHT 4
(Light Work, Restricted Water in EXP I and II)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
68	5-in-1	5-in-1	STO	Rehab	5-in-1	A Ration
69	"	"	"	STO	"	"
70	"	"	"	"	"	"
71	"	"	0/100/0 1000	0/100/0 1000	"	"
72	"	"	"	"	"	"
73	"	"	0/100/0 2000	0/100/0 2000	"	"
74	"	"	"	"	"	"

TABLE AII. 4 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
75	5-in-1	5-in-1	30/0/70 1000	30/0/70 1000	5-in-1	A Ration
76	"	"	"	"	"	"
77	"	"	30/0/70 2000	30/0/70 2000	"	"
78	"	"	"	"	"	"
79	"	"	2/20/78 1000	2/20/78 1000	"	"
80	"	"	"	"	"	"
81	"	"	2/20/78 2000	2/20/78 2000	"	"
82	"	"	"	"	"	"
83	"	"	15/52/33 1000	15/52/33 1000	"	"
84	"	"	"	"	"	"
85	"	"	15/52/33 2000	15/52/33 2000	"	"
86	"	"	"	"	"	"
87	"	"	15/52/33 3000	15/52/33 3000	"	"
88	"	"	"	"	"	"
99	A Ration	A Ration	A Ration	A Ration	A Ration	A Ration
100	"	"	"	"	"	"
101	"	"	"	"	"	"

TABLE AII. 5

SERUM OSMOLARITY: FLIGHT 1
(mOsm/L)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
1	295	285	---	---	---	312
2	306	279	269	295	290	290
3	(285)	285	301	295	306	317
4	274	285	306	---	---	317
5	295	287	285	322	306	306
6	(295)	295	295	301	312	312
7	285	274	322	317	290	328
8	295	(295)	---	317	295	306
9	290	295	312	295	322	295
10	295	312	295	301	317	295
11	285	290	285	333	322	312
12	295	290	301	322	295	301
13	290	295	279	317	306	306

TABLE AII. 5 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
14	317	290	295	322	312	242
15	285	285	290	301	306	306
16	328	312	---	295	322	295
17	285	301	312	301	328	312
18	306	285	312	312	312	317
19	295	295	295	306	322	306
20	295	301	312	301	306	333
21	317	317	295	295	290	328
22	301	295	301	301	312	322
90	279	290	295	285	306	322
91	317	317	317	301	301	322
92	312	306	306	328	322	322

TABLE AII. 6

SERUM OSMOLARITY: FLIGHT 2
(mOsm/L)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
23	322	322	295	333	333	295
24	312	295	306	317	312	312
25	333	312	295	317	317	301
26	290	306	295	317	312	312
27	279	306	295	322	306	312
28	295	295	(312)	328	322	306
29	322	301	295	306	295	328
30	301	295	279	306	290	322
31	295	295	306	306	317	338
32	285	306	322	322	312	338
33	328	312	322	322	301	333
34	306	301	306	317	328	317
35	295	312	295	306	333	306
36	279	306	306	322	301	317
37	312	301	322	322	295	312
38	295	301	322	333	322	306
39	290	301	333	333	322	306
40	322	290	306	295	301	306
41	322	290	328	328	295	295
42	285	285	301	317	306	306
43	290	301	338	344	312	301
44	295	290	349	333	322	338
93	338	290	338	322	328	328
94	301	285	301	312	317	322
95	306	295	295	317	312	338

TABLE AII. 7

SERUM OSMOLARITY: FLIGHT 3
(mOsm/L)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
45	338	312	290	306	301	312
46	306	279	301	306	328	312
47	312	295	295	---	---	306
49	301	301	295	328	328	301
50	306	295	306	295	312	312
51	322	301	285	312	328	301
52	312	306	285	317	301	295
53	312	285	295	306	306	322
54	322	312	295	306	306	333
55	312	285	312	312	317	306
56	306	301	301	306	322	290
57	322	312	295	322	301	301
58	306	295	290	328	306	295
59	328	290	322	317	317	306
60	333	328	301	---	---	295
61	322	(322)	301	322	285	301
48	285	295	290	312	328	301
62	312	312	301	295	333	322
63	317	312	290	322	290	295
64	312	317	285	322	301	295
65	328	295	306	338	312	317
66	295	301	290	333	306	301
96	306	322	285	295	306	368
97	306	306	295	322	295	295
98	312	333	306	317	301	317

TABLE AII. 8

SERUM OSMOLARITY: FLIGHT 4
(mOsm/L)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
68	301	285	306	---	---	295
69	290	295	333	290	301	306
70	306	306	295	328	306	306
71	306	290	306	301	301	306
72	295	317	306	301	322	295
73	295	274	322	290	295	306
74	285	290	322	338	317	290
75	322	322	306	322	317	301
76	295	301	301	301	317	301
77	306	285	328	363	301	306

TABLE AII. 8 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
78	306	295	322	338	333	295
79	317	301	301	312	338	301
80	295	285	338	301	295	301
81	301	279	312	317	322	285
82	306	306	312	301	312	312
83	333	290	360	306	328	317
84	285	306	333	306	333	301
85	285	317	333	328	317	285
86	301	290	301	333	333	290
87	279	312	344	328	333	301
88	290	306	338	344	333	306
99	295	306	306	301	306	301
100	290	301	306	328	295	---
101	285	312	312	295	312	317

TABLE AII. 9

SERUM SODIUM: FLIGHT 1
(mEq/L)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
1	138	135	---	---	---	143
2	137	136	136	136	146	138
3	139	138	144	136	144	140
4	136	138	136	---	142	138
5	138	135	138	138	143	138
6	---	141	140	139	142	143
7	137	135	139	139	146	138
8	136	---	144	135	144	143
9	136	142	137	135	143	141
10	136	147	139	135	147	140
11	137	142	137	138	146	142
12	142	137	139	141	146	138
13	141	138	140	137	146	140
14	144	137	139	136	144	145
15	139	144	140	142	143	140
16	139	144	139	139	143	142
17	135	138	139	141	142	139
18	140	140	141	140	143	141
19	134	136	136	139	142	138
20	135	137	139	141	142	138
21	139	146	140	140	140	141
22	138	137	140	140	141	140
90	138	136	139	139	141	141
91	135	137	140	141	143	139
92	138	140	144	142	140	140

TABLE AII. 10

SERUM SODIUM: FLIGHT 2
(mEq/L)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
23	136	140	136	135	140	138
24	138	137	138	---	139	139
25	130	138	139	138	143	139
26	134	138	136	139	148	140
27	134	141	137	139	139	139
28	133	139	---	139	143	140
29	138	137	139	138	140	140
30	134	139	138	137	138	139
31	136	137	140	142	143	141
32	136	138	139	138	142	140
33	140	137	138	145	143	140
34	133	140	140	142	140	141
35	134	138	140	141	148	142
36	135	142	147	139	137	138
37	134	140	144	143	143	142
38	135	140	144	144	143	142
39	134	138	146	143	143	142
40	135	137	140	142	141	141
41	139	136	144	141	144	140
42	134	---	139	143	140	140
43	134	140	140	144	139	140
44	134	137	138	143	138	140
93	136	139	143	143	146	140
94	136	138	142	141	142	140
95	134	138	141	142	142	141

TABLE AII. 11

SERUM SODIUM: FLIGHT 3
(mEq/L)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
45	135	139	136	140	140	140
46	136	138	136	138	141	141
47	138	137	139	---	---	138
49	135	136	139	139	144	139
50	137	139	139	140	140	142
51	135	140	141	140	143	141
52	134	132	141	140	143	141
53	134	139	138	141	142	140
54	137	139	137	138	143	142
55	134	137	136	139	142	140

TABLE AII. 11 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
56	135	138	136	138	141	140
57	135	137	139	139	139	138
58	134	136	137	141	142	138
59	137	141	139	142	143	138
60	139	138	141	---	---	138
61	141	---	142	140	140	141
48	134	135	139	139	142	140
62	136	136	139	139	146	141
63	136	136	139	139	145	138
64	136	136	139	138	140	140
65	140	136	139	138	143	141
66	135	138	139	139	140	138
96	135	135	138	139	142	140
97	138	136	141	139	140	138
98	136	136	142	141	143	139

TABLE AII. 12

SERUM SODIUM: FLIGHT 4
(mEq/L)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
68	135	139	136	---	---	141
69	142	138	139	135	138	139
70	137	139	137	138	146	141
71	139	140	142	139	143	138
72	139	137	139	138	142	141
73	136	139	138	139	140	140
74	136	137	138	139	140	140
75	140	141	139	140	140	140
76	139	138	136	138	140	136
77	137	139	143	143	139	---
78	138	138	137	142	144	138
79	138	139	139	140	138	137
80	137	143	138	138	140	138
81	135	138	140	141	140	140
82	138	137	141	142	142	139
83	138	143	139	138	143	137
84	135	139	140	141	143	138
85	136	139	139	143	142	138
86	136	138	138	143	142	140
87	138	139	142	147	139	140
88	138	143	142	147	139	140
99	138	139	139	140	140	140
100	134	139	139	142	138	---
101	138	139	138	140	141	139

TABLE AII. 13

SERUM POTASSIUM: FLIGHT 1
(mEq/L)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
1	3.8	4.0	---	---	---	3.9
2	4.2	3.9	4.6	4.7	3.7	4.0
3	3.9	4.4	5.2	4.7	4.8	4.1
4	4.6	4.1	5.2	---	---	4.0
5	4.5	3.9	4.6	4.1	4.5	3.8
6	---	3.8	4.6	4.7	4.3	4.5
7	4.7	3.7	4.0	5.1	4.6	3.9
8	3.8	---	4.2	4.1	4.5	4.1
9	4.0	4.0	4.4	4.4	4.5	4.1
10	3.8	4.4	4.5	4.5	4.3	4.2
11	4.0	4.5	4.5	5.0	4.3	4.3
12	3.5	3.5	3.9	4.1	3.9	3.7
13	4.8	4.0	4.2	4.4	4.7	4.1
14	3.5	3.6	4.9	4.8	4.6	4.5
15	3.5	3.9	4.2	4.1	4.0	4.0
16	4.3	4.4	4.2	4.3	4.3	4.1
17	4.2	4.0	4.5	4.4	4.0	4.0
18	3.9	4.0	4.3	4.6	4.6	4.0
19	4.5	4.4	4.4	4.9	5.2	4.2
20	4.4	4.0	4.2	4.4	4.5	4.2
21	3.5	3.9	4.6	3.7	4.3	3.9
22	4.1	3.9	4.2	4.5	4.4	4.1
90	3.8	4.0	4.2	4.2	4.1	4.1
91	3.7	3.8	3.9	4.1	4.1	4.0
92	4.8	4.0	4.3	4.1	4.0	4.0

TABLE AII. 14

SERUM POTASSIUM: FLIGHT 2
(mEq/L)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
23	4.4	3.9	4.7	4.6	4.0	4.2
24	4.2	4.0	4.6	4.6	4.0	4.2
25	4.8	3.9	4.7	4.8	4.0	4.1
26	4.5	4.1	5.1	4.4	4.6	4.5
27	4.7	4.7	4.8	4.5	4.8	4.3
28	4.4	4.5	---	4.4	4.6	4.4
29	4.2	4.2	4.1	3.7	4.8	4.0
30	4.4	4.3	4.5	4.1	4.3	4.3
31	4.2	4.2	4.2	4.6	4.5	4.4
32	4.5	4.1	4.6	4.6	4.5	4.3

TABLE AII. 14 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
33	3.7	3.8	4.6	4.6	4.0	4.2
34	4.0	3.9	4.3	4.4	4.3	4.2
35	4.8	4.1	4.3	4.7	4.6	4.3
36	4.7	3.8	4.9	4.2	4.5	4.3
37	4.8	4.2	4.5	4.2	4.6	4.3
38	4.9	4.1	4.4	4.5	5.2	4.8
39	4.8	4.2	4.6	4.3	4.3	4.8
40	4.6	3.9	4.5	4.4	4.5	4.2
41	4.5	3.5	4.1	4.1	4.8	4.2
42	4.4	---	4.7	4.2	4.1	4.5
43	4.8	4.5	4.7	4.4	4.6	4.5
44	4.5	4.4	4.4	4.6	4.6	4.2
93	4.3	3.8	4.2	4.0	4.3	3.9
94	4.2	3.7	4.1	4.1	4.0	3.9
95	4.2	3.9	4.1	4.0	3.9	3.9

TABLE AII. 15

SERUM POTASSIUM: FLIGHT 3
(mEq/L)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
45	3.6	4.4	4.4	4.0	4.0	3.9
46	3.7	4.5	4.8	4.3	4.0	4.2
47	4.3	4.1	4.3	---	---	3.8
49	3.9	4.1	3.8	4.1	4.0	4.2
50	4.0	4.5	4.2	4.0	4.2	4.2
51	3.8	4.1	4.0	4.3	4.3	4.2
52	3.7	4.0	3.4	3.6	3.9	4.0
53	3.6	4.2	3.7	4.2	4.1	4.1
54	3.5	4.1	3.5	4.3	4.1	3.8
55	4.1	4.2	3.8	4.1	4.1	4.1
56	3.5	4.5	4.0	4.1	4.2	4.2
57	3.5	4.5	3.8	4.1	4.0	3.9
58	4.2	4.4	4.1	4.1	4.1	4.0
59	4.4	4.5	4.1	4.3	4.6	4.0
60	3.9	4.2	4.5	---	---	4.4
61	3.5	---	3.7	3.6	3.9	4.0
48	4.1	4.2	4.1	4.4	4.1	4.1
62	4.4	4.5	4.0	4.4	4.0	4.2
63	4.2	4.5	4.0	3.7	4.2	4.0
64	4.0	4.5	3.9	4.0	4.3	4.4
65	4.0	4.5	3.7	4.0	4.2	4.2
66	4.2	4.5	4.0	4.1	4.2	4.2

TABLE AII. 15 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
96	4.8	4.4	4.1	4.3	4.5	4.4
97	5.0	4.5	4.1	4.0	4.0	3.8
98	4.2	4.4	3.9	3.9	4.1	4.1

TABLE AII. 16

SERUM POTASSIUM: FLIGHT 4
(mEq/L)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
68	4.4	4.2	4.4	---	---	4.1
69	5.2	4.1	4.7	4.2	4.0	4.2
70	4.5	4.2	5.0	5.0	4.5	4.1
71	4.2	4.4	4.1	3.8	4.0	3.9
72	3.9	4.3	4.3	4.0	4.0	4.1
73	4.1	4.2	4.1	4.3	4.2	4.2
74	4.2	4.2	4.1	3.7	4.1	4.2
75	4.1	4.2	4.4	4.2	4.6	4.2
76	4.8	4.3	4.1	4.4	4.4	4.3
77	3.8	4.1	3.6	3.7	4.1	---
78	4.2	4.2	4.3	4.6	4.6	4.3
79	3.9	4.1	4.2	4.0	4.1	3.9
80	3.9	4.1	4.4	4.4	4.2	4.2
81	4.0	4.3	4.1	4.2	4.2	4.2
82	4.0	4.1	4.8	4.4	4.2	4.3
83	3.6	4.2	3.7	4.1	4.1	3.9
84	4.0	4.2	4.1	4.1	4.0	4.1
85	3.9	4.2	4.0	4.0	4.0	4.1
86	4.1	4.5	4.1	4.1	4.1	4.2
87	3.5	4.1	3.7	3.9	3.8	3.8
88	4.2	4.6	3.8	4.3	4.2	4.2
99	3.6	4.1	4.1	4.1	4.1	4.2
100	4.2	4.2	4.2	4.3	4.1	---
101	3.5	4.1	4.1	4.2	4.0	4.0

TABLE AII. 17

SERUM CALCIUM: FLIGHT 1
(mg/100 ml)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
1	10.9	9.4	---	---	---	10.2
2	11.8	11.0	10.0	10.5	10.0	9.6

TABLE AII. 17 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
3	10.4	12.2	10.5	9.8	9.4	10.3
4	10.8	13.0	10.1	----	----	11.0
5	11.8	12.2	9.0	9.8	11.2	11.7
6	----	9.4	10.1	11.0	9.2	10.2
7	8.2	9.8	10.8	10.1	10.0	11.8
8	9.5	----	10.5	10.4	9.0	10.5
9	11.4	12.0	9.5	10.0	9.6	9.4
10	9.8	10.2	10.0	9.1	10.0	10.6
11	10.6	9.4	12.4	10.6	10.4	10.1
12	10.9	11.8	9.2	9.9	11.0	11.2
13	9.8	11.0	9.2	10.9	10.6	9.2
14	11.4	9.8	10.3	9.9	10.8	11.0
15	9.8	10.8	9.9	9.8	10.8	9.2
16	12.0	12.1	10.6	10.2	11.3	9.7
17	10.0	10.0	9.5	9.4	9.2	10.6
18	9.8	9.5	9.9	9.8	9.6	10.8
19	10.1	10.0	9.9	10.4	10.0	10.2
20	12.0	10.6	10.4	10.5	11.3	10.6
21	9.8	10.8	9.9	9.4	11.2	10.3
22	10.6	11.3	10.1	9.6	12.0	10.4
90	9.4	9.8	9.6	11.0	10.8	11.6
91	9.9	10.4	9.8	11.6	10.4	11.8
92	9.8	10.8	11.0	10.9	10.6	11.8

TABLE AII. 18

SERUM CALCIUM: FLIGHT 2
(mg/100 ml)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
23	9.7	11.4	10.8	9.8	9.6	11.2
24	10.5	11.7	11.2	9.5	9.4	10.2
25	9.9	11.0	9.4	10.1	9.6	9.0
26	9.8	10.8	11.5	10.0	10.4	10.9
27	12.2	12.3	9.1	9.6	10.8	11.9
28	11.5	9.3	----	10.1	11.1	9.7
29	10.4	10.8	9.7	10.0	11.2	9.0
30	11.2	11.5	10.6	9.9	10.2	10.7
31	10.2	11.0	11.7	11.9	11.8	10.3
32	10.6	11.0	11.8	11.3	10.6	10.0
33	12.6	11.4	10.1	8.5	11.2	10.4
34	11.6	12.7	9.7	10.5	10.2	11.2
35	11.2	12.2	11.9	11.2	9.8	9.0
36	10.9	9.2	12.0	10.7	10.0	10.4

TABLE AII. 18 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
37	12.0	12.0	11.0	10.4	10.6	10.4
38	11.7	10.8	11.7	10.1	11.4	10.8
39	11.2	10.4	11.0	10.3	10.7	11.0
40	10.7	11.7	10.2	10.6	10.6	11.8
41	11.1	9.0	12.0	11.1	10.9	11.0
42	12.3	----	10.4	11.4	11.2	9.2
43	10.3	10.6	11.1	11.4	10.4	9.7
44	10.1	12.0	11.5	9.5	12.0	10.0
93	10.0	9.6	9.1	10.5	9.4	9.8
94	9.9	10.1	10.8	10.0	10.3	9.4
95	11.6	9.6	11.9	10.1	10.0	10.4

TABLE AII. 19

SERUM CALCIUM: FLIGHT 3
(mg/100 ml)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
45	9.2	10.3	10.6	10.5	10.0	10.0
46	9.3	9.1	11.2	9.5	9.4	9.6
47	9.6	11.1	10.0	----	----	10.0
49	9.6	10.1	11.0	10.7	10.0	10.3
50	10.7	11.3	9.5	11.0	9.4	9.9
51	10.1	11.2	11.0	10.8	10.2	10.2
52	10.6	12.0	9.6	10.0	10.8	10.0
53	9.2	10.8	10.6	9.0	9.8	10.4
54	9.5	11.0	10.6	11.0	11.2	10.2
55	10.1	11.1	9.3	10.6	10.4	9.5
56	9.3	10.5	9.6	10.0	9.4	11.2
57	9.4	10.6	9.1	11.0	10.2	11.4
58	13.4	11.8	10.6	9.7	10.4	10.1
59	11.0	11.8	11.0	11.4	10.2	10.9
60	12.4	12.0	9.0	----	----	10.7
61	10.8	----	9.3	11.3	11.9	10.9
48	10.1	11.2	9.4	9.9	11.4	9.0
62	10.4	10.6	9.8	9.0	11.2	10.8
63	11.6	11.1	9.4	11.4	11.0	10.7
64	10.7	10.0	9.8	10.8	10.0	9.9
65	10.8	11.0	10.8	10.6	11.2	10.0
66	11.2	11.3	10.3	11.1	10.8	10.4
96	11.1	12.0	9.6	10.2	9.8	9.0
97	11.2	12.2	9.4	10.0	10.4	11.0
98	11.5	11.8	9.3	11.0	12.0	9.4

TABLE AII. 20

SERUM CALCIUM: FLIGHT 4
(mg/100 ml)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
68	10.2	11.3	11.7	----	----	9.9
69	10.8	11.4	10.2	10.1	9.6	10.5
70	10.8	10.9	11.9	11.8	9.4	9.7
71	11.1	10.8	11.6	11.3	11.4	10.0
72	10.4	10.2	9.8	11.1	11.8	10.3
73	9.6	10.0	9.4	10.0	8.3	9.1
74	10.4	9.8	11.4	9.9	11.4	9.9
75	12.2	10.6	10.8	10.8	11.5	9.8
76	11.1	10.3	10.6	11.4	11.5	10.0
77	12.2	10.8	10.3	10.5	11.8	----
78	10.6	11.7	9.7	----	9.6	9.3
79	10.1	10.4	10.7	11.0	9.2	10.8
80	10.3	11.8	10.2	10.0	10.8	9.2
81	10.6	10.7	10.2	11.4	12.0	9.3
82	10.8	11.4	9.7	10.7	10.2	9.8
83	10.9	11.4	11.1	11.0	9.9	10.0
84	9.5	9.2	10.6	10.7	10.8	9.7
85	11.3	11.2	11.4	11.6	11.0	9.6
86	10.3	10.2	9.1	10.5	11.3	9.4
87	10.6	11.2	10.1	10.7	10.2	11.3
88	11.3	11.5	9.4	10.0	10.4	9.8
99	11.4	11.9	10.6	11.1	12.0	10.3
100	10.6	9.5	10.3	10.9	9.8	----
101	9.9	9.4	9.4	10.7	10.2	9.8

TABLE AII. 21

SERUM INORGANIC PHOSPHATE: FLIGHT 1
(mg P/100 ml)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
1	4.3	4.8	---	---	---	6.2
2	5.7	5.5	4.8	5.8	6.5	6.7
3	4.2	4.3	4.7	5.0	4.5	6.0
4	4.2	4.7	3.2	---	---	5.6
5	5.0	5.2	4.9	5.0	6.0	6.2
6	5.5	5.1	4.2	4.9	4.3	6.2
7	4.1	4.3	3.3	5.9	4.1	5.1
8	4.3	---	---	4.1	5.1	5.6
9	4.8	5.1	4.2	5.0	6.2	5.9
10	4.8	4.9	4.0	5.1	4.8	6.2
11	4.3	5.0	4.3	5.6	5.5	6.2

TABLE AII. 21 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
12	4.4	4.8	4.2	5.7	5.0	5.6
13	5.3	5.3	4.8	6.1	6.7	6.2
14	5.0	4.7	3.2	5.9	5.5	5.6
15	4.8	4.8	4.7	5.1	4.6	5.7
16	5.1	5.8	---	5.1	5.8	6.0
17	4.3	4.7	4.2	5.1	4.2	5.6
18	4.4	5.2	4.1	5.0	4.8	5.8
19	5.1	5.3	4.4	5.9	5.5	6.2
20	3.1	4.7	4.0	5.0	5.6	5.9
21	4.8	5.2	3.3	5.9	5.0	6.0
22	4.8	4.7	3.9	5.0	5.0	5.2
90	4.0	3.9	4.0	4.7	4.9	5.2
91	3.1	3.8	3.5	4.4	4.9	4.8
92	4.0	4.0	3.9	4.8	4.0	4.7

TABLE AII. 22

SERUM INORGANIC PHOSPHATE: FLIGHT 2
(mg P/100 ml)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
23	6.0	4.8	4.4	6.2	3.6	5.8
24	5.8	6.1	4.3	5.7	4.0	6.0
25	4.1	4.0	3.0	4.2	2.5	5.4
26	6.2	6.7	5.5	6.5	3.4	6.2
27	3.8	4.1	4.3	5.0	3.8	5.9
28	4.7	4.8	---	4.8	4.0	4.8
29	4.4	4.8	4.1	5.0	3.7	5.0
30	5.1	4.3	4.4	5.1	4.1	5.8
31	4.7	4.8	3.2	4.5	3.9	6.2
32	5.0	5.3	4.4	4.9	4.0	6.0
33	4.7	5.7	4.5	5.8	5.0	5.9
34	4.1	4.3	4.0	4.8	3.8	5.9
35	5.1	4.3	3.2	4.7	4.0	5.8
36	5.2	5.1	4.8	4.8	4.0	6.0
37	5.5	5.7	4.8	5.0	4.7	5.7
38	4.7	4.4	4.3	4.7	4.6	6.0
39	4.4	4.7	4.3	5.1	4.0	5.6
40	5.5	4.8	4.5	5.1	4.0	6.0
41	4.0	4.3	3.2	4.7	3.0	4.7
42	4.1	---	3.2	4.8	3.0	5.4
43	4.4	4.2	4.2	5.8	4.4	5.9
44	6.0	5.3	4.1	4.8	4.4	6.0
93	3.0	4.3	3.2	4.5	4.0	4.4
94	3.9	4.7	3.2	4.8	4.1	5.1
95	4.0	4.0	3.8	5.1	4.4	4.7

TABLE AII. 23

SERUM INORGANIC PHOSPHATE: FLIGHT 3
(mg P/100 ml)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
45	3.8	3.3	4.7	4.0	4.4	4.4
46	3.7	4.0	4.0	4.4	4.4	5.0
47	4.6	4.2	4.3	---	---	4.9
49	3.5	4.0	4.2	4.2	4.1	6.0
50	3.6	3.9	4.3	4.3	4.0	5.0
51	4.2	4.1	5.6	4.7	5.5	5.6
52	4.5	4.0	3.1	4.8	5.3	5.9
53	4.0	4.0	3.9	4.2	4.4	5.7
54	4.0	4.0	4.1	4.4	4.4	5.9
55	3.0	2.9	3.2	4.5	3.9	5.0
56	3.1	4.0	3.5	4.5	4.4	6.1
57	3.6	3.0	4.7	4.4	4.5	5.6
58	4.7	4.2	4.9	4.3	4.5	5.9
59	4.0	4.0	4.1	4.3	4.4	5.4
60	4.7	4.5	4.7	---	---	6.0
61	3.5	---	4.0	4.3	4.1	5.2
48	4.0	4.2	4.8	4.9	4.3	5.6
62	3.6	4.3	4.0	4.8	2.9	5.6
63	3.5	3.4	4.7	4.7	4.3	5.0
64	3.6	2.8	4.8	4.7	5.4	6.3
65	3.6	4.4	4.1	4.8	4.7	5.8
66	3.0	2.7	4.1	4.8	5.3	6.0
96	3.0	3.5	4.1	5.4	4.2	4.8
97	3.2	3.0	3.1	4.0	4.7	4.8
98	3.5	4.1	4.3	4.9	4.5	5.0

TABLE AII. 24

SERUM INORGANIC PHOSPHATE: FLIGHT 4
(mg P/100 ml)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
68	3.9	4.4	3.3	---	---	5.6
69	4.1	4.8	4.1	4.4	5.1	5.2
70	3.8	4.2	4.0	4.2	5.2	5.2
71	4.6	4.5	4.4	4.1	3.5	5.9
72	4.1	4.8	4.3	4.9	4.8	5.9
73	4.0	4.8	4.2	4.4	5.0	5.8
74	3.7	4.2	3.2	3.5	4.7	5.2
75	4.6	4.4	4.7	4.5	4.8	5.6
76	4.8	5.7	5.4	5.1	5.4	5.5
77	4.1	4.7	4.3	4.8	4.5	---

TABLE AII. 24 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
78	4.7	5.2	5.9	4.9	5.2	5.6
79	4.7	4.8	4.3	4.1	4.3	5.1
80	3.1	4.2	3.2	4.0	4.0	5.1
81	3.8	4.2	4.0	3.9	4.4	5.0
82	3.9	4.3	4.8	4.7	4.8	5.0
83	3.7	4.1	4.2	3.9	4.7	4.4
84	4.0	4.7	3.6	4.4	4.5	5.2
85	3.3	4.3	3.3	3.0	4.2	4.8
86	4.2	4.8	4.7	4.8	5.0	5.0
87	3.1	4.0	4.0	4.0	4.4	4.8
88	3.2	3.9	4.4	4.1	5.1	4.8
99	4.0	4.8	4.4	4.8	5.0	4.8
100	2.8	4.9	3.6	4.0	4.6	---
101	3.2	3.9	4.2	4.5	4.7	4.1

TABLE AII. 25

SERUM CHLORIDE: FLIGHT 1
(mEq/L)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
1	101.0	102.0	-----	-----	-----	101.5
2	101.6	102.0	95.2	95.2	104.3	98.1
3	103.0	104.8	101.4	93.8	113.0	102.4
4	101.6	104.5	96.6	-----	-----	99.1
5	102.0	102.8	96.6	95.2	104.7	100.0
6	-----	104.9	95.7	95.7	106.0	101.5
7	103.0	98.8	97.3	97.4	107.6	102.4
8	100.6	-----	-----	99.7	102.6	102.0
9	97.4	98.8	90.4	89.4	102.6	101.0
10	102.8	103.3	94.2	91.4	108.1	101.5
11	101.6	98.8	98.1	97.1	107.6	100.5
12	96.5	102.4	98.3	97.6	103.1	99.1
13	104.3	103.8	97.5	99.7	108.9	101.0
14	107.2	105.3	98.3	98.3	107.4	104.8
15	101.0	103.8	99.5	101.4	101.6	100.7
16	102.6	100.3	-----	102.4	106.5	100.4
17	99.6	103.8	96.6	98.3	108.1	99.1
18	100.1	102.4	100.2	97.3	108.4	102.0
19	101.8	107.3	97.1	102.4	107.6	103.4
20	98.6	106.8	98.8	100.5	102.1	101.0
21	103.7	106.3	99.5	103.8	103.3	101.5
22	104.3	104.9	97.6	100.5	105.0	101.5
90	98.1	107.3	99.5	99.5	102.1	102.4
91	103.0	104.8	102.4	101.4	101.1	101.5
92	99.1	102.4	100.0	104.3	101.6	100.5

TABLE AII. 26

SERUM CHLORIDE: FLIGHT 2
(mEq/L)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
23	101.6	105.5	95.7	96.2	109.1	100.5
24	102.0	101.0	92.0	108.2	104.5	98.6
25	92.0	103.5	97.8	100.5	108.9	99.1
26	103.8	103.0	94.2	91.6	107.9	102.4
27	99.8	102.0	94.9	98.1	106.0	97.6
28	102.8	101.0	-----	100.0	109.9	99.3
29	104.4	101.0	101.4	99.5	106.2	103.9
30	105.8	103.5	100.0	98.2	107.1	101.5
31	102.4	100.5	99.2	101.2	107.9	102.9
32	102.0	98.5	100.5	101.4	105.5	101.0
33	105.3	103.5	95.7	106.9	102.1	98.6
34	104.3	103.0	102.6	102.9	102.1	101.5
35	102.0	102.5	98.8	100.7	106.9	102.0
36	101.6	101.0	105.3	101.0	101.6	102.0
37	102.0	99.5	95.7	102.4	103.6	101.7
38	102.0	102.5	104.5	103.8	100.2	102.4
39	103.3	101.0	101.0	105.3	106.5	99.6
40	104.3	104.0	98.8	103.8	105.2	101.5
41	104.3	103.3	106.2	110.8	102.1	102.4
42	106.3	-----	103.8	104.5	98.9	101.5
43	103.3	103.0	101.0	106.2	103.1	100.5
44	102.4	104.5	103.4	107.2	104.0	103.4
93	102.4	103.5	104.8	106.2	104.0	104.1
94	102.0	103.5	102.8	102.4	101.8	101.0
95	101.0	98.5	99.5	101.4	101.1	100.5

TABLE AII. 27

SERUM CHLORIDE: FLIGHT 3
(mEq/L)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
45	104.0	104.3	93.8	97.2	102.6	102.4
46	103.8	102.0	93.5	95.8	105.2	102.4
47	101.3	100.8	98.6	-----	-----	99.6
49	104.8	101.1	95.7	98.7	108.3	101.0
50	101.3	100.4	97.6	99.9	103.6	102.0
51	102.0	101.1	99.0	100.6	102.6	101.0
52	101.6	103.3	94.2	100.6	98.8	102.9
53	101.8	101.1	95.4	96.3	104.2	100.5
54	101.6	97.7	93.8	94.0	99.8	102.4
55	103.8	101.4	102.9	104.2	103.1	104.8

TABLE AII. 27 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
56	105.3	102.0	98.6	104.5	106.0	102.4
57	102.4	102.0	95.4	98.7	101.9	100.0
58	104.3	105.0	95.4	103.7	104.1	103.4
59	101.8	101.8	100.5	104.0	102.6	99.6
60	104.8	102.2	99.0	-----	-----	101.0
61	104.3	-----	99.5	101.1	100.7	102.0
48	102.8	104.0	100.5	100.6	105.9	99.1
62	104.8	102.0	101.4	101.6	105.9	102.4
63	101.8	100.0	102.4	102.1	103.3	101.5
64	101.8	100.0	102.9	99.7	100.0	101.0
65	102.8	99.1	104.8	105.5	106.2	103.9
66	104.3	100.3	101.4	103.6	101.7	101.5
96	103.8	100.1	103.6	103.1	99.3	104.4
97	105.3	102.5	105.3	104.7	100.3	101.5
98	103.3	103.2	104.3	105.5	101.4	103.4

TABLE AII. 28

SERUM CHLORIDE: FLIGHT 4
(mEq/L)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
68	101.0	97.7	91.8	-----	-----	102.4
69	102.8	100.0	94.9	95.3	105.5	101.5
70	96.3	100.6	92.0	94.8	102.6	102.0
71	103.3	101.1	96.6	95.8	105.5	100.0
72	100.0	102.0	94.9	97.7	102.2	101.2
73	101.3	100.8	98.6	99.9	102.2	102.4
74	104.9	100.3	101.0	100.4	107.4	103.9
75	100.5	101.6	101.4	104.2	100.9	104.8
76	103.8	100.8	95.4	98.9	99.8	104.8
77	100.5	101.3	104.5	112.8	97.9	-----
78	102.8	100.1	98.2	106.9	99.8	100.0
79	102.4	99.4	97.1	101.6	104.1	99.6
80	102.0	103.1	99.2	100.2	101.7	99.6
81	98.8	101.8	98.3	101.8	102.2	101.0
82	100.5	101.6	101.4	99.2	102.2	99.6
83	102.0	103.1	99.5	97.4	104.5	104.4
84	102.0	99.9	100.5	102.4	102.6	99.6
85	101.0	98.9	101.4	107.6	103.3	100.0
86	102.8	105.0	104.3	110.3	105.5	106.7
87	104.9	102.2	106.2	109.9	99.8	101.0
88	102.0	100.6	103.1	106.9	100.5	104.8
99	99.5	102.2	102.1	98.2	98.6	102.0
100	101.0	100.6	98.6	101.6	99.4	-----
101	102.0	100.6	98.2	98.2	97.1	102.0

TABLE AII. 29

SERUM CHOLINESTERASE: FLIGHT 1
(Δ pH/hr)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
1	1.02	0.89	----	----	----	0.84
2	0.94	0.70	0.63	0.54	0.36	0.51
3	0.86	0.78	0.82	0.69	0.41	0.60
4	0.97	0.77	0.69	----	----	0.61
5	1.16	0.97	0.97	0.75	0.51	0.69
6	(1.01)	1.16	1.03	0.74	0.60	0.80
7	0.99	0.80	0.79	0.82	0.46	0.64
8	1.06	(0.88)	----	0.66	0.59	0.75
9	1.15	0.88	1.00	0.90	0.74	0.70
10	1.03	0.85	0.79	0.57	0.46	0.62
11	1.04	0.76	0.89	0.88	0.63	0.71
12	1.32	1.10	1.09	1.02	0.73	0.79
13	1.15	0.89	1.00	0.80	0.58	0.71
14	1.01	0.93	0.93	0.81	0.54	0.69
15	0.98	0.91	0.90	0.69	0.72	0.69
16	1.13	(0.88)	----	0.76	0.83	0.84
17	1.14	0.94	1.11	0.89	0.60	0.72
18	0.93	0.80	0.83	0.63	0.45	0.67
19	0.59	0.71	0.74	0.68	0.55	0.65
20	0.53	0.60	0.58	0.48	0.52	0.61
21	1.07	1.04	1.03	0.81	0.99	0.85
22	1.07	1.16	0.94	0.86	0.89	0.78
90	0.79	0.70	0.67	0.67	0.63	0.70
91	1.14	0.95	0.81	0.81	0.87	0.81
92	0.99	1.14	1.09	0.94	1.09	1.03

TABLE AII. 30

SERUM CHOLINESTERASE: FLIGHT 2
(Δ pH/hr)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
23	0.94	0.87	0.83	0.73	0.58	0.64
24	1.02	0.79	0.84	0.65	0.51	0.58
25	1.03	0.70	0.78	0.64	0.48	0.56
26	0.83	0.64	0.57	0.53	0.36	0.42
27	0.79	0.69	0.67	0.65	0.46	0.57
28	(0.96)	0.89	----	0.77	0.52	0.73
29	(0.96)	0.72	0.61	0.53	0.48	0.48
30	1.03	0.80	0.70	0.73	0.53	0.74
31	0.98	0.72	0.65	0.56	0.50	0.54
32	0.84	0.71	0.58	0.55	0.40	0.49

TABLE AII. 30 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
33	0.76	0.87	0.85	0.96	0.78	0.81
34	0.89	0.97	0.76	0.80	0.57	0.63
35	0.94	0.97	0.89	0.80	0.65	0.63
36	0.90	0.95	0.80	0.74	0.59	0.71
37	0.79	0.83	0.75	0.73	0.70	0.65
38	0.63	0.74	0.55	0.68	0.52	0.57
39	1.06	0.78	0.69	0.65	0.48	0.58
40	1.12	1.07	0.82	0.90	0.70	0.81
41	0.79	0.83	0.73	0.78	0.62	0.56
42	0.99	(0.82)	0.80	0.85	0.67	0.77
43	1.11	1.04	0.98	1.02	0.90	0.79
44	0.71	0.73	0.60	0.61	0.58	0.63
93	0.55	0.70	0.50	0.59	0.59	0.55
94	0.43	0.54	0.27	0.41	0.50	0.42
95	0.83	0.86	0.76	0.72	0.78	0.75

TABLE AII. 31

SERUM CHOLINESTERASE: FLIGHT 3
(Δ pH/hr)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
45	0.91	0.79	0.90	0.70	0.55	0.65
46	1.02	0.88	1.02	0.91	0.60	0.68
47	0.80	0.93	0.95	----	----	0.79
49	0.47	0.52	0.57	0.49	0.40	0.48
50	0.98	0.80	0.72	0.63	0.59	0.60
51	0.45	0.54	0.53	0.48	0.40	0.47
52	0.61	0.81	0.64	0.66	0.62	0.64
53	1.16	1.11	1.12	1.10	0.85	0.93
54	0.99	1.12	0.97	0.95	0.67	0.78
55	0.97	0.98	0.88	0.97	0.47	0.86
56	0.69	0.80	0.87	0.75	0.56	0.71
57	0.71	1.01	0.97	0.99	0.73	0.92
58	0.84	0.96	1.00	0.91	0.73	0.73
59	0.49	(0.81)	0.79	0.68	0.51	0.75
60	0.63	0.73	0.71	----	----	0.52
61	1.04	(0.81)	1.21	1.14	1.10	1.05
48	0.84	0.82	0.72	0.80	0.53	0.52
62	0.55	0.60	0.71	0.76	0.58	0.55
63	(0.78)	0.41	0.78	0.84	0.71	0.77
64	0.60	(0.81)	0.66	0.67	0.54	0.55
65	0.94	0.92	0.83	0.82	0.75	0.80
66	0.65	0.61	0.79	0.71	0.76	0.64
96	0.74	0.70	0.66	0.70	0.64	----
97	1.00	1.09	0.92	0.90	0.91	0.93
98	0.86	0.85	0.80	0.64	0.84	0.76

TABLE AII. 32

SERUM CHOLINESTERASE: FLIGHT 4
(Δ pH/hr)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
68	1.02	0.94	0.98	----	----	----
69	0.90	1.01	1.09	0.73	0.60	0.68
70	0.69	0.70	0.77	0.54	0.44	0.57
71	0.63	0.73	0.78	0.57	0.44	0.58
72	0.91	0.90	0.98	0.80	0.77	----
73	0.67	0.73	0.69	0.60	0.39	0.56
74	1.02	0.82	0.94	0.72	0.68	0.66
75	0.93	0.88	0.82	0.64	0.40	0.80
76	0.85	0.71	0.78	0.56	0.54	0.55
77	0.86	0.77	0.82	0.82	0.71	----
78	1.18	1.08	----	----	0.93	0.94
79	0.73	0.84	0.81	0.60	0.55	----
80	0.90	0.78	0.80	0.65	0.64	0.67
81	0.69	0.76	0.72	0.60	0.47	0.60
82	0.79	0.61	0.68	0.56	0.56	0.53
83	0.89	0.89	0.79	0.60	0.63	0.69
84	0.79	0.56	0.73	0.60	0.47	0.55
85	1.14	1.07	0.90	0.85	0.60	0.76
86	0.98	0.95	0.99	0.76	0.76	0.73
87	0.26	0.13	0.14	0.20	0.10	0.27
88	0.77	0.70	0.79	0.65	0.72	0.74
99	1.01	0.98	0.89	0.75	0.84	0.81
100	0.99	0.86	0.86	0.80	0.86	----
101	0.84	0.87	0.70	0.65	0.73	0.75

TABLE AII. 33

SERUM AMYLASE: FLIGHT 1
(amylase units/100 ml)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
1	142	170	---	---	---	223
2	100	205	162	205	217	190
3	65	77	50	60	150	120
4	106	77	68	---	---	152
5	77	127	68	72	120	103
6	67	145	102	102	136	107
7	50	152	60	72	115	125
8	67	---	---	65	128	107
9	56	150	63	68	170	115
10	77	68	82	72	203	128
11	128	170	133	150	277	195

TABLE AII. 33 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
12	63	50	60	65	77	68
13	63	102	68	68	170	102
14	119	200	131	111	277	128
15	92	131	75	72	136	107
16	77	86	---	85	170	107
17	60	55	65	50	102	68
18	67	100	68	82	162	120
19	127	167	107	120	170	136
20	106	162	115	132	162	60
21	44	100	82	68	100	47
22	60	77	86	47	73	50
90	45	100	60	50	72	31
91	44	115	107	60	102	47
92	125	120	90	60	140	44

TABLE AII. 34

SERUM AMYLASE: FLIGHT 2
(amylase units/100 ml)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
23	95	63	65	35	120	31
24	60	111	102	44	190	73
25	82	60	107	65	167	100
26	82	103	140	73	263	102
27	68	125	125	82	172	65
28	68	99	---	38	102	55
29	65	60	82	38	73	50
30	73	131	107	68	300	159
31	68	131	107	50	128	86
32	107	125	115	68	131	115
33	44	115	125	60	186	120
34	47	65	65	38	125	68
35	77	77	90	44	203	103
36	60	68	55	35	145	111
37	65	133	65	47	203	111
38	68	50	65	44	200	86
39	65	120	103	55	195	185
40	60	115	90	65	173	68
41	47	120	102	82	167	82
42	55	---	68	44	77	55
43	55	131	99	86	173	73
44	55	86	102	82	140	65
93	47	102	77	73	120	72
94	55	107	63	86	115	68
95	26	65	65	35	73	82

TABLE AII. 35

SERUM AMYLASE: FLIGHT 3
(amylase units/100 ml)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
45	77	190	55	115	152	94
46	13	60	9	35	35	35
47	82	107	35	---	---	55
49	65	86	50	73	111	60
50	31	127	13	68	140	102
51	26	115	35	72	140	50
52	35	111	47	68	107	65
53	43	77	72	125	162	65
54	55	120	55	86	107	65
55	75	140	47	120	172	100
56	82	111	38	102	128	65
57	35	127	44	73	125	102
58	55	102	50	60	111	55
59	26	203	47	82	125	16
60	68	120	44	---	---	82
61	125	---	68	157	237	132
48	60	107	44	111	107	60
62	115	125	60	157	150	107
63	50	77	35	86	73	50
64	127	152	55	125	162	82
65	150	162	123	170	150	140
66	82	103	102	152	111	72
96	50	48	73	86	50	55
97	50	90	65	86	55	68
98	50	65	55	82	60	73

TABLE AII. 36

SERUM AMYLASE: FLIGHT 4
(amylase units/100 ml)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
68	150	44	128	---	---	115
69	110	44	128	102	195	145
70	150	44	85	103	186	115
71	103	40	136	136	107	100
72	140	25	157	136	162	128
73	127	50	170	185	128	111
74	162	47	145	182	162	128
75	167	47	125	132	186	159
76	145	44	107	140	195	120
77	152	47	132	140	203	136
78	50	47	173	128	111	120

TABLE AII. 36 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
79	103	50	172	132	205	159
80	127	47	107	125	237	140
81	120	44	111	102	128	111
82	145	55	102	100	136	115
83	107	44	132	128	102	115
84	145	55	145	132	195	136
85	232	65	355	408	150	115
86	92	25	115	102	73	102
87	60	44	115	100	47	94
88	107	60	35	140	111	120
99	60	60	35	73	35	55
100	26	55	85	145	68	---
101	60	44	65	60	47	72

TABLE AII. 37

SERUM ALKALINE PHOSPHATASE: FLIGHT 1
(Bodansky units/100 ml)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
1	3.0	3.4	---	---	---	1.2
2	3.9	4.2	4.0	2.4	3.2	2.0
3	2.2	3.8	3.1	1.8	0.7	0.7
4	3.0	3.4	3.9	---	---	1.3
5	2.2	5.3	4.8	4.3	2.5	1.7
6	3.9	5.5	4.0	2.8	3.5	2.0
7	1.4	3.8	4.9	2.8	0.9	0.9
8	2.7	---	---	1.3	1.5	1.5
9	2.2	3.5	3.9	2.0	2.0	1.7
10	1.0	4.3	4.2	2.4	2.0	1.5
11	2.1	4.5	5.7	3.5	1.5	1.3
12	3.5	5.4	5.8	4.3	3.5	1.5
13	4.7	5.7	6.1	4.7	2.2	1.5
14	4.5	5.3	5.4	3.0	1.5	1.5
15	2.2	3.1	3.0	1.5	1.2	0.6
16	3.2	5.2	---	2.4	1.8	1.1
17	2.7	4.9	4.2	2.9	1.5	2.0
18	2.7	3.8	3.3	2.4	3.0	1.3
19	1.2	4.1	4.0	2.9	2.8	1.3
20	2.9	3.7	3.3	2.0	1.5	1.7
21	2.2	3.1	3.3	2.4	1.8	0.9
22	2.2	3.9	3.3	1.7	1.8	1.5
90	1.9	2.6	2.2	1.1	0.9	1.0
91	1.1	2.7	3.3	1.7	1.7	0.7
92	2.0	3.5	4.0	2.5	2.8	0.9

TABLE AII. 38

SERUM ALKALINE PHOSPHATASE: FLIGHT 2
(Bodansky units/100 ml)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
23	5.6	4.6	6.2	5.5	3.6	1.3
24	4.4	6.4	4.8	2.0	4.0	1.2
25	1.9	2.7	2.8	1.5	2.0	0.7
26	5.4	8.9	7.2	4.0	4.9	1.5
27	5.0	2.1	4.8	2.8	6.0	1.5
28	2.4	4.9	---	2.2	3.0	2.8
29	3.2	6.2	4.3	3.0	3.6	1.0
30	0.7	4.1	3.5	2.8	3.0	1.0
31	1.7	4.0	3.0	2.0	4.7	0.7
32	2.3	4.4	3.2	1.8	5.1	1.2
33	2.1	8.0	4.9	4.0	6.8	1.3
34	2.2	4.3	4.0	2.0	4.2	1.5
35	2.8	4.4	3.8	1.8	5.4	1.7
36	2.1	4.6	4.0	2.2	2.5	1.0
37	4.7	5.3	6.1	4.0	9.0	2.0
38	2.7	4.0	3.2	2.0	1.8	0.9
39	3.6	6.3	5.7	2.9	3.3	1.3
40	2.5	5.4	4.3	1.8	3.0	1.0
41	3.8	5.4	4.3	2.0	4.7	1.5
42	3.9	---	3.2	2.0	3.0	0.7
43	4.9	6.5	4.9	3.0	4.0	1.1
44	4.9	10.3	8.0	3.6	6.2	1.5
93	3.0	4.3	4.3	2.4	3.0	0.7
94	2.3	4.5	4.9	2.0	3.6	0.7
95	3.2	5.2	4.8	2.0	4.3	1.5

TABLE AII. 39

SERUM ALKALINE PHOSPHATASE: FLIGHT 3
(Bodansky units/100 ml)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
45	4.3	7.5	3.3	2.0	4.0	4.0
46	4.3	7.7	6.0	3.5	3.5	2.2
47	3.7	8.3	4.9	---	---	2.5
49	4.3	8.2	4.8	2.5	4.0	3.0
50	4.4	9.2	5.4	3.0	4.0	2.5
51	5.0	8.4	7.1	3.0	3.6	2.8
52	5.6	9.9	7.8	4.9	5.7	4.7
53	3.4	5.4	4.3	2.2	2.8	2.5
54	5.1	10.9	6.1	4.0	4.8	4.0
55	3.8	6.5	4.7	2.8	3.0	2.2

TABLE AII. 39 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
56	3.6	5.5	5.0	2.8	5.4	2.2
57	4.3	7.8	4.9	2.8	4.7	3.2
58	3.2	7.9	5.7	2.8	4.7	4.0
59	3.9	6.2	4.9	2.4	2.8	2.4
60	4.3	8.3	5.0	---	---	3.6
61	4.7	---	5.8	3.3	5.1	4.0
48	5.3	9.8	7.0	2.0	4.3	3.6
62	2.3	10.2	7.1	3.3	6.2	3.0
63	1.6	5.0	3.5	2.0	2.5	2.0
64	3.1	10.0	6.7	3.5	5.4	4.3
65	3.0	5.8	5.0	2.2	4.0	2.9
66	3.7	8.7	7.9	4.0	5.4	3.5
96	1.1	4.4	2.9	1.5	1.5	1.3
97	2.3	5.0	3.5	1.7	2.9	2.0
98	0.8	6.1	6.7	4.0	4.9	4.3

TABLE AII. 40

SERUM ALKALINE PHOSPHATASE: FLIGHT 4
(Bodansky units/100 ml)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
68	3.9	9.4	6.5	---	---	5.7
69	2.7	4.3	4.0	1.7	2.4	2.0
70	5.1	10.6	7.8	4.0	4.0	4.7
71	4.0	9.0	4.3	2.8	3.0	3.0
72	5.0	10.7	9.5	5.9	5.7	5.4
73	4.8	6.2	14.8	4.0	4.8	4.0
74	4.1	5.4	5.9	3.9	1.7	3.0
75	4.5	7.4	5.7	3.3	3.9	4.9
76	7.6	16.2	11.8	6.0	7.0	7.7
77	5.1	10.9	9.0	4.9	4.8	4.7
78	12.5	7.5	25.3	10.2	11.7	17.6
79	3.3	7.8	4.8	2.8	3.0	3.9
80	2.7	3.6	4.7	1.7	2.4	2.9
81	3.8	5.3	5.1	3.0	3.3	3.5
82	4.9	7.0	8.0	4.4	4.9	4.2
83	3.2	9.0	5.4	3.0	3.9	4.4
84	3.0	16.4	6.0	3.2	4.7	4.7
85	3.8	8.6	6.5	4.7	4.3	4.9
86	2.7	7.8	6.7	3.5	4.7	4.7
87	2.6	7.0	6.1	2.2	3.9	3.5
88	3.9	4.3	5.7	3.0	4.9	4.7
99	2.3	2.8	4.5	2.2	4.7	4.7
100	2.3	3.1	3.9	2.0	4.3	---
101	2.1	2.2	4.1	2.0	3.9	2.8

TABLE AII. 41

SERUM NON-PROTEIN NITROGEN: FLIGHT 1
(mg/100 ml)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
1	29	31	--	--	--	36
2	29	29	31	33	33	32
3	29	32	32	32	31	32
4	24	25	26	--	--	31
5	29	30	31	25	29	37
6	30	29	29	23	31	38
7	30	29	30	24	25	38
8	28	(31)	--	25	28	40
9	29	29	33	29	33	37
10	30	34	28	36	31	46
11	28	34	44	36	33	46
12	25	41	44	35	31	35
13	26	30	25	22	28	35
14	26	30	26	28	35	35
15	29	31	23	23	29	33
16	24	33	--	24	31	35
17	31	31	33	26	31	36
18	30	32	35	26	30	37
19	25	30	32	27	30	35
20	21	28	29	27	28	41
21	31	36	31	25	29	36
22	31	29	31	30	35	32
90	28	29	25	25	31	26
91	31	35	33	32	31	28
92	33	39	41	29	33	32

TABLE AII. 42

SERUM NON-PROTEIN NITROGEN: FLIGHT 2
(mg/100 ml)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
23	22	31	31	31	29	30
24	30	32	32	40	33	31
25	29	33	33	40	37	32
26	29	29	43	41	27	36
27	28	28	29	24	27	32
28	29	30	31	30	31	36
29	34	35	26	29	29	44
30	21	25	21	24	26	28
31	28	31	50	49	42	40
32	25	30	39	43	35	31

TABLE AII. 42 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
33	29	29	52	43	40	36
34	33	25	51	56	41	39
35	26	25	31	32	32	29
36	25	27	41	38	36	37
37	26	26	25	35	32	29
38	27	30	25	36	30	28
39	29	29	37	38	32	31
40	32	30	35	38	33	30
41	25	28	24	30	26	26
42	33	(29)	39	45	32	26
43	29	29	40	54	32	30
44	33	32	35	41	37	34
93	31	30	30	34	33	30
94	32	30	31	30	32	33
95	25	31	25	28	29	32

TABLE AII. 43

SERUM NON-PROTEIN NITROGEN: FLIGHT 3
(mg/100 ml)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
45	31	30	29	29	30	28
46	25	26	31	31	31	28
47	29	25	26	--	--	32
49	28	31	33	25	29	31
50	26	34	28	29	25	34
51	29	27	31	24	26	38
52	29	30	24	24	28	35
53	29	33	32	40	40	38
54	32	30	28	32	30	29
55	32	30	40	45	35	28
56	26	29	40	43	33	29
57	33	25	26	28	30	32
58	31	27	26	29	31	28
59	33	28	30	23	35	32
60	28	28	29	--	--	30
61	27	(29)	25	28	28	31
48	30	27	29	35	34	29
62	29	25	30	26	32	36
63	30	29	25	30	31	31
64	31	30	28	32	37	36
65	29	30	30	31	32	32

TABLE AII. 43 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
66	25	25	29	30	31	40
96	30	28	26	29	31	28
97	31	32	31	25	29	29
98	30	31	28	30	30	29

TABLE AII. 44

SERUM NON-PROTEIN NITROGEN: FLIGHT 4
(mg/100 ml)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
68	30	28	33	--	--	39
69	30	30	31	38	31	38
70	29	32	31	32	33	36
71	32	32	29	31	32	35
72	24	28	35	33	29	32
73	30	31	25	24	31	34
74	31	30	25	25	28	36
75	31	30	41	52	38	39
76	28	36	41	52	33	36
77	30	31	42	55	38	--
78	31	29	43	47	30	32
79	27	25	25	26	27	33
80	30	30	26	25	35	34
81	29	34	30	28	32	34
82	30	28	31	29	30	30
83	28	26	30	28	32	32
84	33	35	39	36	30	31
85	30	28	31	35	32	35
86	29	27	37	32	29	30
87	27	28	37	38	29	33
88	33	35	39	32	30	33
99	30	35	31	28	32	33
100	31	30	29	30	29	--
101	33	34	32	30	29	31

TABLE AII. 45

SERUM CREATININE: FLIGHT 1
(mg/100 ml)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
1	1.00	0.85	----	----	----	0.76
2	0.80	0.63	0.85	0.85	0.85	0.63
3	1.04	0.95	1.18	1.09	1.04	0.80
4	0.80	0.59	0.95	----	----	0.76
5	0.95	0.63	1.00	0.90	0.95	0.68
6	0.90	0.50	1.13	0.73	0.85	0.68
7	1.09	0.85	1.40	1.00	0.95	0.95
8	0.90	----	----	1.27	0.63	0.68
9	1.00	0.59	1.00	0.80	0.76	0.68
10	0.95	0.73	1.23	1.23	0.80	0.73
11	1.04	0.85	1.32	1.32	0.90	0.85
12	1.13	0.76	1.68	1.27	0.85	0.90
13	0.90	0.80	0.90	0.76	0.85	0.76
14	1.18	1.00	1.18	0.85	0.85	1.00
15	0.85	1.09	0.95	0.85	0.63	0.73
16	0.85	0.80	----	0.76	0.76	0.68
17	0.85	0.90	0.90	0.90	0.63	0.68
18	0.95	0.95	1.04	0.90	0.80	0.63
19	0.85	0.90	1.13	1.00	0.76	0.73
20	0.73	0.80	1.13	1.04	0.80	0.73
21	0.85	1.04	1.35	1.09	0.76	0.76
22	0.95	0.90	1.35	1.09	0.95	0.80
90	0.90	0.73	0.90	0.68	0.73	0.76
91	0.95	0.80	1.00	0.76	0.90	0.95
92	1.00	1.00	1.09	0.80	0.73	1.00

TABLE AII. 46

SERUM CREATININE: FLIGHT 2
(mg/100 ml)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
23	0.73	0.73	0.90	0.95	0.73	0.63
24	0.90	0.95	0.95	1.04	0.85	0.80
25	0.90	1.04	1.13	1.09	0.73	0.90
26	1.04	1.00	1.45	1.40	1.00	1.04
27	0.95	0.90	1.23	1.23	0.80	0.85
28	0.95	1.04	----	1.13	0.90	1.00
29	1.00	1.00	1.18	1.13	0.80	0.90
30	0.85	0.90	1.04	0.95	0.73	0.90
31	0.95	1.04	1.50	1.27	0.90	0.80
32	0.95	0.95	1.50	1.35	0.73	0.90

TABLE AII. 46 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
33	0.80	0.85	1.58	1.50	0.68	0.73
34	0.85	1.00	1.50	1.40	0.90	0.85
35	0.95	0.95	0.95	0.95	0.76	0.90
36	0.85	0.95	1.13	1.09	0.70	0.80
37	0.95	0.90	1.09	0.95	0.76	0.90
38	0.90	1.13	1.13	1.09	0.76	0.76
39	1.04	1.00	1.13	1.18	1.00	1.00
40	0.95	0.90	1.04	1.09	0.76	0.95
41	0.76	0.73	1.13	1.18	0.63	0.73
42	0.95	----	1.27	1.09	0.73	0.80
43	0.95	0.90	1.40	1.27	0.80	0.80
44	1.04	0.80	1.18	1.09	0.90	1.00
93	1.04	0.90	1.00	0.90	0.76	1.00
94	1.09	0.90	1.00	0.90	0.90	1.04
95	0.90	0.85	1.00	0.73	0.73	0.95

TABLE AII. 47

SERUM CREATININE: FLIGHT 3
(mg/100 ml)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
45	0.90	0.85	1.04	0.90	0.80	0.63
46	0.80	0.73	1.04	1.00	0.90	0.73
47	0.76	0.76	1.23	----	----	0.68
49	0.63	0.63	1.09	1.09	0.80	0.63
50	0.90	0.85	1.23	1.09	1.13	0.73
51	0.90	0.73	1.23	1.00	0.80	0.76
52	0.80	0.80	1.09	1.00	0.95	0.73
53	0.80	0.80	1.32	1.13	0.90	0.73
54	0.68	0.68	1.04	1.04	0.76	0.59
55	0.76	0.80	1.50	1.32	0.95	0.73
56	0.76	0.73	1.58	1.27	1.00	0.85
57	0.73	0.76	1.00	1.09	0.73	0.63
58	0.73	0.63	1.09	0.90	0.95	0.63
59	0.85	0.63	1.00	0.95	0.73	0.68
60	0.90	0.80	1.00	----	----	0.80
61	0.95	----	1.04	1.00	0.95	0.90
48	0.73	0.73	1.04	0.95	0.80	0.63
62	0.95	0.76	1.09	1.09	1.13	0.73
63	0.85	0.90	1.18	1.13	0.95	0.95
64	0.90	0.95	1.18	1.32	0.95	0.90
65	0.73	0.68	1.09	1.09	0.73	0.63
66	0.95	0.95	1.27	1.18	1.00	0.80
96	0.95	0.95	1.04	1.00	1.09	0.85
97	0.73	0.73	0.85	0.76	0.80	0.76
98	0.85	0.85	0.95	0.95	0.93	0.85

TABLE AII. 48

SERUM CREATININE: FLIGHT 4
(mg/100 ml)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
68	0.95	0.80	1.00	----	----	0.90
69	1.04	0.80	1.13	1.00	1.09	0.95
70	0.85	0.80	1.13	1.13	1.04	0.73
71	0.90	0.73	1.27	1.13	0.90	0.76
72	0.76	0.63	1.09	1.09	0.90	0.73
73	0.90	0.85	1.09	0.90	1.09	0.85
74	0.90	0.85	1.35	1.04	1.27	1.00
75	0.85	0.95	1.68	1.13	1.13	1.00
76	0.80	0.80	1.45	1.04	1.13	0.95
77	0.80	0.73	1.76	1.68	1.09	0.80
78	0.63	0.63	1.68	1.32	0.73	0.73
79	0.90	0.68	1.27	0.73	1.05	0.76
80	0.90	0.63	1.32	0.80	1.05	0.90
81	1.18	0.80	1.45	1.09	0.85	1.00
82	0.73	0.63	1.18	0.95	0.80	0.68
83	0.95	0.73	1.40	1.09	1.09	0.95
84	0.80	0.55	1.23	0.90	0.85	0.76
85	1.00	0.80	1.58	1.32	1.09	0.95
86	0.76	0.68	1.35	0.90	0.95	0.80
87	0.73	0.73	1.58	1.13	1.05	0.76
88	1.00	0.80	1.76	1.18	1.13	1.04
99	0.85	0.73	0.90	0.73	0.90	1.00
100	0.73	0.73	0.95	0.68	0.95	----
101	0.85	0.73	0.90	0.76	0.90	0.95

TABLE AII. 49

SERUM TOTAL CHOLESTEROL: FLIGHT 1
(mg/100 ml)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
1	178	407	---	---	---	193
2	274	287	253	200	210	213
3	250	264	193	166	190	193
4	216	244	173	---	---	167
5	237	248	173	180	205	190
6	222	201	167	178	180	197
7	206	171	167	136	155	197
8	218	---	---	129	195	200
9	254	194	213	175	230	230
10	213	213	187	158	240	230
11	286	248	280	175	250	236

TABLE AII. 49 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
12	230	171	173	160	160	193
13	218	178	200	180	165	193
14	258	217	253	180	175	278
15	202	194	200	196	160	230
16	196	225	---	156	195	250
17	226	198	160	180	200	207
18	197	202	173	180	190	210
19	218	186	227	190	165	213
20	210	202	207	200	145	236
21	206	171	124	200	200	170
22	234	225	147	160	210	223
90	258	217	147	200	190	200
91	270	233	153	213	200	210
92	279	217	180	200	233	207

TABLE AII. 50

SERUM TOTAL CHOLESTEROL: FLIGHT 2
(mg/100 ml)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
23	202	198	246	270	200	216
24	294	236	246	239	220	223
25	216	147	231	234	277	184
26	210	147	179	203	183	203
27	202	190	241	203	200	213
28	226	178	---	203	169	207
29	214	183	154	187	163	216
30	206	183	138	203	192	200
31	200	186	272	172	192	236
32	226	182	195	286	220	223
33	65	163	185	286	212	223
34	276	150	195	198	186	190
35	185	202	267	146	194	200
36	202	240	190	146	197	207
37	---	256	215	---	174	236
38	174	217	169	208	172	216
39	161	139	180	192	192	207
40	175	170	185	172	177	180
41	214	194	283	244	186	200
42	145	---	159	239	203	207
43	181	232	308	182	154	197
44	186	178	200	168	149	213
93	206	294	246	264	192	200
94	218	240	195	178	157	194
95	218	198	205	216	157	203

TABLE AII. 51

SERUM TOTAL CHOLESTEROL: FLIGHT 3
(mg/100 ml)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
45	210	170	194	200	215	204
46	194	194	---	218	220	217
47	190	255	194	---	---	191
49	242	144	155	200	205	182
50	202	163	182	149	165	169
51	184	170	140	209	155	226
52	166	163	168	167	180	226
53	242	192	264	251	245	213
54	181	170	200	172	190	182
55	215	202	194	237	210	230
56	214	310	175	181	150	195
57	129	140	175	172	---	178
58	129	170	135	167	185	191
59	80	85	135	200	175	200
60	145	194	187	---	---	186
61	76	---	171	163	170	209
48	165	155	277	200	185	200
62	242	217	226	237	160	182
63	210	194	174	149	155	169
64	153	155	174	209	160	186
65	226	225	270	260	235	217
66	210	228	226	186	280	240
96	198	150	213	203	265	209
97	133	93	161	196	250	226
98	185	155	187	215	165	182

TABLE AII. 52

SERUM TOTAL CHOLESTEROL: FLIGHT 4
(mg/100 ml)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
68	212	217	200	---	---	213
69	165	280	290	204	210	218
70	115	240	200	231	190	244
71	132	202	170	191	190	200
72	97	182	155	200	190	213
73	95	220	160	178	220	173
74	130	326	165	195	220	204
75	170	248	180	182	205	191
76	72	182	180	226	185	191
77	145	280	270	209	170	226

TABLE AII. 52 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
78	100	201	180	155	180	164
79	100	201	195	235	210	231
80	140	201	175	204	235	200
81	80	186	200	147	210	164
82	75	160	165	164	210	186
83	105	178	205	244	220	177
84	80	155	235	249	210	248
85	85	186	220	169	200	177
86	120	182	200	195	180	196
87	100	182	190	195	210	200
88	210	173	175	151	160	204
99	240	147	200	200	205	213
100	160	253	350	215	215	---
101	155	167	158	160	195	182

TABLE AII. 53

BLOOD GLUCOSE: FLIGHT 1
(mg/100 ml)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
1	68	57	--	--	--	66
2	66	63	60	69	64	65
3	63	68	58	59	52	64
4	63	57	50	--	--	70
5	73	65	62	69	93	65
6	70	65	50	67	64	70
7	64	69	50	73	58	87
8	49	66	--	70	60	70
9	57	66	28	56	50	72
10	68	64	28	56	68	74
11	68	64	13	58	53	68
12	51	65	40	59	60	65
13	71	68	48	56	68	75
14	90	73	56	63	68	74
15	60	67	58	64	67	67
16	63	65	--	60	62	66
17	83	74	50	65	83	75
18	68	68	60	63	67	73
19	58	73	51	66	70	62
20	58	64	58	58	72	78
21	52	65	60	85	80	72
22	50	60	68	85	69	74
90	65	60	61	55	62	74
91	75	83	120	64	58	66
92	75	71	64	60	67	63

TABLE AII. 54

BLOOD GLUCOSE: FLIGHT 2
(mg/100 ml)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
23	68	69	60	51	95	83
24	63	70	45	63	66	83
25	58	75	55	59	112	75
26	58	63	55	68	85	98
27	57	60	55	68	66	65
28	71	70	68	70	83	74
29	70	70	65	69	65	63
30	73	65	63	64	64	64
31	67	74	50	63	80	83
32	78	75	45	60	75	78
33	65	63	50	65	75	80
34	66	73	48	64	65	73
35	60	73	70	48	75	78
36	66	70	58	64	82	75
37	75	77	65	73	78	78
38	63	66	49	43	73	74
39	58	68	53	53	67	65
40	75	71	51	57	85	75
41	67	63	53	70	63	70
42	68	--	53	60	69	74
43	68	63	--	66	73	78
44	70	65	58	66	97	72
93	59	78	110	65	73	80
94	58	80	68	57	65	58
95	63	90	76	68	67	68

TABLE AII. 55

BLOOD GLUCOSE: FLIGHT 3
(mg/100 ml)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
45	83	80	43	53	71	103
46	75	70	40	53	69	73
47	78	73	60	--	--	83
49	72	74	60	57	78	79
50	74	76	63	68	68	83
51	72	90	63	73	79	75
52	67	80	63	71	68	70
53	75	83	38	45	78	76
54	65	85	55	60	80	100
55	68	82	58	58	72	74
56	80	68	62	32	73	73
57	68	68	40	33	63	73

TABLE AII. 55 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
58	65	69	33	58	55	67
59	76	85	50	60	78	75
60	66	69	43	--	--	65
61	81	76	53	61	93	78
48	70	75	53	50	80	73
62	68	68	45	45	58	80
63	68	68	65	60	72	60
64	77	74	50	70	78	74
65	75	90	75	73	85	78
66	75	74	83	68	72	73
96	77	83	67	64	72	76
97	63	73	50	55	71	68
98	73	80	63	60	73	71

TABLE AII. 56

BLOOD GLUCOSE: FLIGHT 4
(mg/100 ml)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
68	66	75	43	--	--	75
69	65	85	47	60	94	70
70	70	78	50	60	80	73
71	63	85	60	68	80	67
72	75	78	64	65	88	72
73	70	85	73	68	68	77
74	73	73	68	68	79	75
75	67	73	45	51	79	58
76	75	63	43	57	68	78
77	63	56	33	53	72	57
78	68	63	48	65	65	67
79	70	73	24	35	66	70
80	68	66	35	45	84	74
81	68	75	24	68	86	78
82	70	67	33	58	80	78
83	72	71	58	65	78	70
84	71	70	60	73	73	72
85	57	66	52	62	73	67
86	68	74	65	60	83	70
87	70	81	63	59	81	73
88	81	75	58	71	73	77
99	63	61	63	51	58	63
100	63	73	68	60	68	--
101	65	68	53	66	56	63

TABLE AII. 57

ERYTHROCYTE SEDIMENTATION RATE: FLIGHT 1
(mm/hr)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
1	10	15	--	--	--	16
2	5	12	17	5	9	25
3	4	10	2	8	18	19
4	5	1	3	--	--	1
5	1	15	4	4	21	14
6	6	11	7	11	10	10
7	6	1	0	1	4	10
8	11	10	--	23	8	10
9	10	13	3	10	11	11
10	5	5	5	16	6	9
11	5	14	9	13	5	7
12	10	8	5	12	13	18
13	7	5	3	8	3	9
14	4	6	10	11	2	12
15	5	11	2	--	11	21
16	7	10	--	15	8	9
17	0	13	7	20	8	13
18	4	4	3	7	0	4
19	12	30	9	16	19	22
20	7	10	7	15	9	10
21	0	7	2	--	9	8
22	5	7	4	3	3	2
90	13	9	--	--	26	15
91	7	2	14	35	31	15
92	5	3	9	6	3	4

TABLE AII. 58

ERYTHROCYTE SEDIMENTATION RATE: FLIGHT 2
(mm/hr)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
23	10	13	15	5	0	0
24	5	6	9	3	0	3
25	9	2	10	3	0	5
26	4	3	4	12	0	5
27	5	3	4	5	0	8
28	10	3	6	10	0	9
29	2	0	4	9	10	3
30	4	2	3	2	7	8
31	5	5	13	23	7	27
32	3	1	23	27	0	19
33	4	3	2	6	0	3

TABLE AII. 58 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
34	0	2	1	6	2	14
35	6	5	8	8	5	8
36	2	1	3	5	5	4
37	10	10	5	8	5	7
38	5	6	0	2	1	3
39	11	3	8	8	2	8
40	6	2	23	--	1	8
41	12	6	11	--	4	10
42	10	3	14	14	3	7
43	9	3	14	10	1	5
44	1	0	3	4	1	3
93	2	14	12	12	18	8
94	4	5	20	19	6	6
95	6	15	16	11	25	10

TABLE AII. 59

ERYTHROCYTE SEDIMENTATION RATE: FLIGHT 3
(mm/hr)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
45	7	5	4	14	1	0
46	4	9	13	7	0	0
47	10	8	8	--	--	11
49	6	2	7	2	0	0
50	9	7	6	21	5	12
51	5	3	4	5	0	3
52	11	22	21	30	32	29
53	10	7	4	12	12	12
54	13	8	3	10	4	6
55	10	8	0	15	7	1
56	8	6	3	10	9	9
57	8	12	9	9	3	8
58						
59	8	5	1	4	0	1
60	10	6	20	--	--	10
61	2	7	13	6	10	18
48	8	1	4	5	0	0
62	14	7	15	6	6	2
63	2	0	12	2	0	0
64	0	4	3	4	1	0
65	11	14	20	15	20	15
66	5	5	9	5	5	8
96	4	4	4	5	3	3
97	4	2	5	3	4	3
98	4	6	9	14	5	3

TABLE AII. 60

ERYTHROCYTE SEDIMENTATION RATE: FLIGHT 4
(mm/hr)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
68	9	10	14	--	--	8
69	4	5	5	4	0	0
70	8	8	8	7	4	0
71	7	11	12	9	4	0
72	6	6	--	--	3	1
73	10	13	6	--	10	5
74	7	18	8	10	1	2
75	9	14	10	--	21	13
76	22	25	26	34	18	17
77	10	10	3	30	8	16
78	8	13	10	9	3	5
79	16	26	16	13	5	4
80	13	10		23	22	6
81	10	13	--	8	12	10
82	7	11	8	4	7	0
83	4	4	2	0	0	0
84	18	33	15	25	35	12
85	16	23	19	8	--	15
86	17	12	7	6	9	0
87	5	6	11	7	6	1
88	10	13	11	9	1	3
99	5	17	11	--	15	0
100	9	7	10	8	7	--
101	5	24	28	15	4	2

TABLE AII. 61

HEMATOCRIT: FLIGHT 1
(Per Cent Packed Cell Volume)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
1	49	47	--	--	--	48
2	49	44	46	46	41	42
3	49	47	46	46	40	41
4	50	46	49	--	--	43
5	46	47	47	46	43	41
6	51	49	52	48	42	42
7		44	44	45	39	42
8	45		--	45	40	42
9	50	49	48	52	44	43
10	48	49	46	53	43	44
11	51	51	46	51	42	44
12	56	52	49	51	48	49

TABLE AII. 61 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
13	52	50	47	50	45	46
14	50	52	53	53	44	44
15	50	45	47	54	43	43
16	51	48	--	52	44	45
17	44	44	44	54	40	40
18	50	48	49	51	42	43
19	47	47	48	47	43	44
20	44	44	41	43	41	42
21	41	41	40	41	39	40
22	51	52	48	47	46	46
90	45	45	42	45	42	45
91	47	44	46	45	44	44
92	50	48	46	48	46	48

TABLE AII. 62

HEMATOCRIT: FLIGHT 2
(Per Cent Packed Cell Volume)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
23	45	43	45	44	40	42
24	51	51	51	47	41	46
25	55	47	48	47	39	45
26	44	49	49	47	39	46
27	50	48	48	49	41	47
28	49	49	48	51	42	49
29	44	46	46	44	42	45
30	44	47	45	48	42	47
31	47	50	47	52	44	46
32	47	46	45	44	41	44
33	50	49	45	47	43	47
34	45	48	46	48	43	46
35	51	51	53	52	47	50
36	46	46	47	47	40	46
37	54	56	50	50	47	49
38	50	53	40	46	46	47
39	51	50	51	49	44	48
40	48	48	44	48	41	45
41	52	52	50	49	44	46
42	50	--	47	47	42	47
43	51	49	48	48	43	49
44	44	44	43	43	39	44
93	47	46	43	44	42	45
94	47	47	41	43	42	45
95	46	47	48	46	45	48

TABLE AII. 63

HEMATOCRIT: FLIGHT 3
(Per Cent Packed Cell Volume)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
45	50	47	48	48	44	40
46	48	43	49	49	45	43
47	47	48	50	--	--	44
49	48	44	49	45	41	43
50	51	47	48	48	45	44
51	49	45	49	48	44	43
52	49	49	48	48	44	45
53	51	48	49	51	45	45
54	48	48	47	51	42	44
55	44	43	41	45	42	41
56	49	45	46	48	46	47
57	47	47	48	53	46	46
58	45	47	47	50	45	42
59	45	45	44	48	42	43
60	45	44	48	--	--	43
61	44	--		49	43	43
48	48	44	48	50	43	41
62	46	47	48	50	41	41
63	46	44	44	46	43	45
64	50	49	47	50	46	45
65	48	48	47	47	45	46
66	50	48	49	48	47	47
96	49	49	46	50	48	48
97	49	47	47	48	49	48
98	47	51	48	46	45	46

TABLE AII. 64

HEMATOCRIT: FLIGHT 4
(Per Cent Packed Cell Volume)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
68	48	47	52	--	--	45
69	49	49	49	49	40	40
70	53	51	52	53	44	43
71	54	51	51	52	42	42
72	51	48	49	49	43	43
73	49	46	48	47	42	45
74	49	46	49	50	44	47
75	55	49	49	52	45	50
76	46	44	45	46	40	41
77	48	51	46	49	43	40
78	47	46	48	46	45	46
79	50	45	46	45	43	42

TABLE AII. 64 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
80	52	51	48	50	45	45
81	48	49	49	50	44	45
82	49	49	48	49	45	42
83	48	50	44	45	42	43
84	45	44	43	44	40	42
85	51	52	49	49	43	47
86	49	49	46	47	41	42
87	49	50	43	48	46	46
88	52	53	48	49	45	47
99	49	43	40	43	43	43
100	51	50	47	48	47	--
101	49	50	45	48	49	48

TABLE AII. 65

TOTAL WHITE BLOOD CELL COUNT: FLIGHT 1
(Thousands/mm³)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
1	5.00	12.30	-----	-----	-----	10.20
2	6.90	7.20	4.70	5.50	6.00	7.30
3	10.25	6.75	8.75	7.05	8.30	6.30
4	9.10	12.25	7.90	-----	-----	6.10
5	8.85	8.75	9.55	8.05	8.05	10.40
6	9.55	13.35	7.85	9.85	10.50	11.30
7	9.16	10.25	9.20	8.30	9.50	11.00
8	8.45	10.27	-----	7.60	8.30	8.45
9	9.30	8.20	13.55	13.45	10.00	12.00
10	7.70	11.70	10.60	7.65	9.20	10.10
11	5.95	10.00	7.95	7.95	7.70	9.00
12	10.70	7.00	10.40	11.90	10.40	6.50
13	12.15	13.60	13.70	10.45	8.60	10.05
14	6.05	6.90	6.30	5.00	7.80	8.20
15	13.20	10.20	9.25	8.90	7.50	13.25
16	13.25	10.10	-----	13.65	8.60	7.60
17	7.40	10.75	9.30	12.45	7.80	12.40
18	11.65	12.10	8.40	9.60	10.60	13.70
19	6.45	10.45	9.60	8.00	10.20	9.45
20	12.50	10.25	5.00	6.30	7.95	10.60
21	6.85	8.16	8.30	6.40	7.10	7.50
22	11.10	15.60	12.00	8.90	10.60	11.85
90	6.90	12.40	6.70	10.50	9.50	6.95
91	5.40	4.90	8.20	6.75	5.50	5.10
92	7.30	6.50	6.00	9.25	6.00	6.40

TABLE AII. 66

TOTAL WHITE BLOOD CELL COUNT: FLIGHT 2
(Thousands/mm³)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
23	6.55	12.60	5.00	5.20	5.95	8.65
24	5.00	8.60	8.25	5.00	5.05	8.60
25	6.30	13.60	8.00	5.40	7.25	13.10
26	3.65	9.80	6.55	5.00	6.00	8.05
27	14.60	9.95	4.75	4.90	7.20	9.90
28	10.70	12.90	8.00	7.50	12.00	11.20
29	10.30	11.25	6.55	7.45	9.05	10.70
30	6.35	10.35	8.00	4.90	9.50	10.20
31	7.80	8.70	6.30	6.25	7.10	8.85
32	3.50	9.60	9.05	10.45	9.05	11.20
33	10.30	13.20	5.80	11.55	10.60	11.00
34	7.30	14.80	6.80	10.15	10.05	9.90
35	5.00	6.50	5.55	4.40	6.10	9.50
36	7.80	8.20	10.75	8.05	8.40	9.90
37	8.25	7.40	7.65	7.95	9.00	11.10
38	9.10	9.10	7.90	9.30	8.85	11.15
39	6.15	12.30	11.80	7.30	5.60	11.20
40	6.50	7.20	6.35	5.65	4.50	6.45
41	13.10	13.20	13.00	11.80	9.70	11.25
42	8.00	10.33	11.80	9.10	5.80	9.60
43	7.15	8.00	7.20	7.45	8.70	10.90
44	8.25	9.80	6.50	7.55	8.00	9.35
93	7.05	8.00	5.80	7.00	7.00	9.05
94	7.90	10.40	9.85	7.75	7.30	9.70
95	7.20	5.80	10.30	6.50	6.30	8.65

TABLE AII. 67

TOTAL WHITE BLOOD CELL COUNT: FLIGHT 3
(Thousands/mm³)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
45	8.25	8.50	6.80	6.85	8.75	9.40
46	8.65	7.35	7.00	9.95	9.05	10.90
47	7.95	9.15	8.00	-----	-----	9.25
49	8.65	7.00	8.95	9.30	8.85	8.80
50	8.70	9.85	6.00	11.00	10.80	10.70
51	12.65	11.60	10.00	10.10	10.00	9.30
52	12.30	13.50	11.20	11.45	9.40	12.60
53	8.70	9.60	9.75	6.00	8.00	11.15
54	9.55	9.75	6.60	8.70	10.50	9.20
55	9.45	10.30	12.00	6.75	9.10	11.00
56	8.00	9.50	5.05	5.65	6.70	8.65

TABLE AII. 67 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
57	8.60	14.00	8.80	9.45	12.20	13.70
58	8.70	8.60	10.80	8.10	9.60	10.50
59	10.40	13.05	9.30	6.45	8.20	13.00
60	7.95	11.75	9.00	-----	-----	10.85
61	9.30	10.07	12.40	6.25	8.20	9.05
48	12.80	10.50	12.40	9.00	8.75	10.70
62	6.80	10.35	5.20	6.30	13.80	8.15
63	8.45	11.45	13.20	10.60	14.60	12.20
64	6.25	6.95	5.70	5.10	8.00	7.00
65	11.90	9.80	8.00	7.15	10.00	11.75
66	9.20	8.95	14.00	10.00	10.50	9.85
96	9.45	8.45	10.50	7.40	7.20	7.60
97	8.40	10.85	8.40	7.80	7.80	11.20
98	8.40	11.40	8.95	7.00	8.20	10.70

TABLE AII. 68

TOTAL WHITE BLOOD CELL COUNT: FLIGHT 4
(Thousands/mm³)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
68	8.45	8.85	7.00	-----	-----	7.90
69	8.90	10.05	7.55	6.00	7.55	8.10
70	9.05	8.35	7.40	5.80	8.20	7.00
71	10.65	9.90	8.20	7.20	7.95	8.70
72	6.35	7.60	5.80	4.90	8.10	3.50
73	8.45	8.55	9.30	6.90	9.05	4.05
74	10.10	10.15	10.00	6.30	8.40	11.00
75	8.50	9.10	10.00	13.85	7.65	10.50
76	9.20	7.60	7.70	15.75	7.40	7.80
77	5.20	10.75	9.55	9.05	5.40	7.40
78	11.00	9.45	8.80	8.50	9.40	11.80
79	10.40	10.75	10.50	5.00	10.40	12.30
80	10.00	10.50	7.05	8.00	7.30	7.40
81	11.30	9.05	7.90	5.50	5.70	10.60
82	7.00	9.25	8.75	7.00	6.70	11.00
83	8.20	11.40	7.80	6.00	8.50	13.50
84	6.80	4.85	6.80	6.50	9.90	5.60
85	7.70	12.60	9.95	6.70	8.40	8.40
86	4.50	6.80	6.10	7.50	8.20	6.90
87	8.80	10.60	8.30	6.95	8.50	6.25
88	9.50	7.20	6.55	7.70	9.25	9.90
99	6.60	10.70	8.75	6.20	10.10	6.35
100	5.85	10.20	9.90	8.50	6.70	-----
101	11.70	16.00	10.80	10.80	12.60	8.60

TABLE AII. 69

NEUTROPHIL COUNT: FLIGHT 1
(Thousands/mm³)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
1	2.90	7.38	----	----	----	6.43
2	3.80	4.32	2.63	3.30	3.36	4.45
3	5.33	4.39	5.16	4.44	4.73	3.78
4	5.01	7.10	4.97	----	----	3.42
5	4.42	4.46	5.35	5.10	3.94	6.34
6	5.54	8.24	4.71	5.51	5.88	7.01
7	----	5.95	5.97	4.98	5.70	6.82
8	4.65	----	----	4.33	4.98	4.90
9	5.58	4.92	9.49	9.95	6.10	7.92
10	4.16	6.90	6.69	5.36	6.16	7.07
11	3.27	5.80	5.09	5.32	4.77	5.85
12	6.74	3.78	6.76	7.85	6.76	4.55
13	6.68	8.15	7.66	6.06	4.64	5.53
14	3.02	3.86	3.66	7.98	4.13	4.26
15	7.90	6.01	6.01	5.61	4.12	8.32
16	7.69	6.46	----	9.55	5.16	4.94
17	4.28	6.99	5.86	8.47	4.68	7.56
18	6.45	6.53	4.62	5.47	5.62	8.90
19	3.29	5.32	5.85	4.40	5.30	5.48
20	8.24	6.15	2.90	3.84	4.37	6.24
21	4.04	5.22	5.23	4.48	3.98	5.25
22	6.22	9.36	6.72	4.63	5.83	6.75
90	3.79	6.69	3.75	5.67	5.03	3.48
91	3.29	2.89	4.43	3.98	2.86	2.96
92	----	3.44	3.12	5.09	3.24	3.97

TABLE AII. 70

NEUTROPHIL COUNT: FLIGHT 2
(Thousands/mm³)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
23	3.77	8.56	2.94	2.86	3.21	5.35
24	3.05	5.34	5.20	2.95	3.30	5.42
25	3.40	6.94	4.80	3.24	4.20	7.50
26	----	5.89	3.54	2.90	3.24	4.25
27	7.30	4.48	2.32	2.13	3.38	3.84
28	5.56	6.96	4.00	3.60	6.60	----
29	5.46	6.19	3.93	3.73	4.98	6.95
30	3.24	5.50	5.10	2.45	4.56	5.00
31	----	4.70	3.90	3.88	4.04	4.86
32	2.00	5.95	5.70	6.27	5.34	6.40
33	6.70	7.79	3.71	6.93	6.15	6.15

TABLE AII. 70 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
34	4.67	8.44	4.28	7.11	6.83	6.45
35	2.75	3.38	2.78	2.20	2.99	5.80
36	5.07	4.75	6.90	4.75	5.04	6.35
37	4.70	3.70	4.20	3.98	4.68	5.82
38	4.73	4.64	4.35	4.19	4.25	5.02
39	3.81	7.45	8.10	4.60	3.53	6.85
40	3.32	3.60	3.06	2.83	2.16	3.61
41	8.38	7.92	8.45	7.43	5.62	6.08
42	4.08	----	8.05	5.46	3.77	5.18
43	4.00	4.72	3.74	4.77	5.05	6.75
44	4.37	5.69	4.41	4.15	4.72	5.42
93	4.36	4.16	3.67	3.92	4.13	5.88
94	4.18	5.21	5.72	4.35	4.38	6.01
95	4.04	3.67	6.80	3.44	3.97	5.28

TABLE AII. 71

NEUTROPHIL COUNT: FLIGHT 3
(Thousands/mm³)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
45	4.70	5.10	4.15	3.84	4.90	6.00
46	5.36	3.97	4.35	6.07	5.03	6.00
47	4.85	5.49	4.40	----	----	5.20
49	4.68	3.64	4.75	4.93	4.78	4.58
50	4.26	4.73	2.88	6.93	6.48	5.75
51	7.84	6.39	7.00	5.96	6.40	5.95
52	6.76	8.36	6.30	6.75	5.83	8.20
53	5.22	5.95	5.45	3.72	4.00	6.35
54	5.64	5.66	3.90	5.22	5.78	5.80
55	5.20	5.97	6.48	3.85	4.82	6.05
56	4.96	5.70	2.91	2.75	4.02	5.10
57	4.56	7.91	4.93	5.39	6.95	7.25
58	5.02	4.73	6.48	4.78	6.05	5.90
59	6.03	7.30	4.83	3.29	4.51	7.80
60	5.17	7.05	5.58	----	----	7.21
61	5.49	----	8.31	3.62	4.51	5.60
48	8.32	6.84	8.68	5.49	5.51	7.05
62	3.13	4.45	2.86	3.02	7.18	4.15
63	4.36	6.39	7.92	6.15	8.76	6.72
64	3.18	3.68	3.14	2.55	4.08	4.05
65	7.02	5.79	4.64	4.08	5.90	7.15
66	5.80	5.73	8.68	5.04	6.62	6.10
96	5.39	4.91	6.51	4.30	4.10	4.02
97	5.21	5.96	4.62	4.29	4.76	7.05
98	4.56	6.84	4.83	3.92	4.92	6.00

TABLE AII. 72

NEUTROPHIL COUNT: FLIGHT 4
(Thousands/mm³)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
68	4.22	4.34	3.15	----	----	4.35
69	4.45	5.13	3.81	3.12	4.53	4.45
70	4.71	4.18	4.07	3.25	4.43	3.94
71	5.76	5.44	5.33	4.10	4.13	4.50
72	3.50	4.56	3.25	2.60	4.05	1.75
73	4.31	4.36	4.46	3.24	4.43	2.18
74	5.86	5.49	6.00	3.47	4.79	5.82
75	4.84	4.82	5.30	8.31	4.21	6.30
76	5.88	4.48	4.77	9.10	4.59	5.00
77	2.81	6.01	5.44	4.89	3.24	4.18
78	6.81	5.01	4.58	4.68	5.26	6.50
79	5.72	6.98	6.40	2.80	6.76	7.65
80	5.40	6.09	4.12	4.80	3.87	4.45
81	5.65	4.98	4.34	2.86	2.74	5.82
82	3.64	5.00	4.64	3.85	3.62	6.60
83	4.59	6.04	3.90	3.18	4.42	7.96
84	4.29	2.66	3.54	3.32	4.95	2.68
85	4.46	7.06	5.57	4.35	5.29	4.20
86	2.30	3.30	3.23	4.88	5.33	3.66
87	5.45	5.93	4.73	4.17	5.10	5.18
88	5.22	4.46	3.80	4.39	5.09	6.15
99	3.63	6.64	5.42	3.16	5.96	4.00
100	3.40	6.42	6.53	4.42	3.75	----
101	8.19	10.70	6.80	7.23	7.06	5.50

TABLE AII. 73

LYMPHOCYTE COUNT: FLIGHT 1
(Thousands/mm³)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
1	1.60	4.18	----	----	----	3.37
2	3.08	2.74	1.97	2.09	2.58	2.63
3	4.00	2.03	3.15	2.40	3.07	2.27
4	3.91	4.04	2.84	----	----	2.50
5	3.74	3.50	3.44	2.80	3.54	3.85
6	3.53	4.65	3.82	3.94	4.20	3.62
7	----	4.21	3.03	3.07	3.61	3.85
8	3.38	----	----	2.96	3.07	3.30
9	3.53	3.12	3.89	3.23	3.60	3.96
10	3.39	4.80	3.72	2.30	2.58	2.83
11	2.56	4.00	2.54	2.54	2.46	2.97
12	3.74	3.06	3.54	4.81	3.43	1.89

TABLE AII. 73 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
13	5.10	5.30	5.75	4.08	3.18	4.02
14	2.60	2.76	2.40	6.09	3.20	2.54
15	5.35	3.78	3.05	3.11	3.15	4.09
16	4.42	3.44	----	3.82	3.10	2.36
17	3.11	3.65	3.26	3.49	2.89	3.84
18	4.90	4.96	3.11	3.94	4.77	4.11
19	3.03	4.49	3.64	2.88	4.28	3.59
20	4.12	3.80	1.95	2.27	2.94	3.32
21	2.38	2.61	2.40	1.47	2.41	1.80
22	4.51	5.93	4.92	3.65	4.45	4.74
90	2.97	5.08	2.61	4.51	3.61	2.92
91	1.89	1.81	3.20	2.49	2.42	1.99
92	----	2.93	2.52	3.70	2.58	2.30

TABLE AII. 74

LYMPHOCYTE COUNT: FLIGHT 2

(Thousands/mm³)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
23	2.55	3.40	2.00	2.08	2.44	3.11
24	1.20	3.10	3.05	1.90	1.93	2.58
25	2.58	5.54	2.88	2.05	2.90	5.65
26	----	3.83	3.00	1.80	2.70	3.70
27	6.86	5.18	1.57	2.48	3.53	3.00
28	3.32	4.13	3.04	2.03	4.08	----
29	4.54	4.39	2.23	3.20	3.80	3.53
30	2.99	4.76	2.80	2.35	4.66	5.20
31	----	3.74	2.33	2.31	2.98	3.90
32	1.40	2.88	3.26	3.87	2.99	4.15
33	3.09	4.49	2.03	4.27	4.24	4.75
34	2.41	5.92	2.38	2.94	2.91	3.36
35	2.15	2.66	2.45	1.89	2.87	4.60
36	2.42	3.87	3.76	2.82	2.69	3.36
37	3.46	3.40	2.98	3.74	3.87	4.85
38	2.91	3.82	2.53	3.72	2.74	4.35
39	2.09	4.47	3.69	2.63	1.96	3.80
40	2.80	3.24	3.06	2.54	2.12	2.77
41	4.32	4.62	4.42	3.89	3.59	4.72
42	3.12	----	3.78	3.37	2.03	3.93
43	2.86	2.90	2.23	1.71	2.44	3.38
44	3.71	4.01	1.95	3.32	2.88	3.74
93	2.54	3.28	2.09	2.66	2.45	2.72
94	3.16	4.90	3.54	2.70	2.77	3.10
95	2.95	2.52	3.30	2.73	1.95	2.94

TABLE AII. 75

 LYMPHOCYTE COUNT: FLIGHT 3
 (Thousands/mm³)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
45	3.30	3.23	2.58	2.53	3.59	3.20
46	3.11	2.64	2.45	3.78	3.80	4.35
47	2.86	3.66	3.44	----	----	4.07
49	3.38	2.38	3.94	4.18	3.98	3.60
50	4.35	5.02	3.06	4.07	4.00	4.48
51	4.18	3.94	3.00	3.74	3.00	3.06
52	4.92	5.13	4.82	4.24	3.20	4.03
53	3.13	3.46	4.10	2.04	3.04	4.25
54	3.72	3.90	2.38	3.22	4.20	3.24
55	3.87	4.12	4.92	2.84	4.09	4.20
56	3.04	3.52	2.20	1.80	2.48	3.38
57	3.61	6.06	2.73	3.69	4.76	5.75
58	3.31	3.27	3.02	2.51	2.98	3.36
59	4.16	5.60	3.26	2.71	2.87	4.95
60	2.46	4.23	3.24	----	----	4.02
61	3.26	----	3.72	2.56	3.12	3.16
48	4.22	3.26	3.47	3.33	2.89	3.42
62	3.26	5.17	2.03	2.83	5.93	3.67
63	3.61	4.67	4.75	4.35	5.11	4.52
64	3.06	3.13	2.39	2.45	3.20	2.80
65	4.16	4.02	3.20	2.79	3.80	4.35
66	3.13	3.04	4.90	2.80	3.68	3.15
96	3.88	3.47	4.73	2.89	3.02	3.51
97	2.78	4.66	3.61	3.12	2.73	4.15
98	3.61	3.99	3.49	2.73	3.03	4.60

TABLE AII. 76

 LYMPHOCYTE COUNT: FLIGHT 4
 (Thousands/mm³)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
68	3.89	3.81	3.50	----	----	3.24
69	4.10	4.22	2.75	2.46	2.64	3.40
70	3.98	3.59	2.96	2.26	3.69	2.87
71	3.94	3.46	2.46	2.09	2.70	3.48
72	2.80	2.89	2.32	2.01	3.32	1.68
73	3.97	3.76	4.56	3.52	4.07	1.84
74	3.84	4.37	3.80	2.46	3.02	4.62
75	3.23	3.91	4.30	5.40	3.14	3.88
76	3.22	2.81	2.62	5.49	2.59	2.80
77	2.24	4.30	3.73	3.98	1.94	2.98
78	4.06	3.97	3.87	3.57	3.67	4.95

TABLE AII. 76 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
79	4.06	3.54	4.01	1.95	3.43	4.20
80	4.20	3.88	3.08	3.04	3.14	2.82
81	5.20	3.89	3.16	2.25	2.51	4.45
82	3.01	3.88	3.94	3.01	3.02	4.30
83	3.44	5.13	3.74	2.58	3.83	5.55
84	2.45	2.40	2.92	3.12	4.65	2.85
85	3.00	5.42	4.08	1.94	2.77	3.52
86	2.20	3.13	2.56	2.55	2.71	3.24
87	3.26	4.56	3.32	2.29	3.23	3.79
88	4.18	2.74	2.75	3.23	3.79	3.47
99	2.70	3.64	2.98	2.60	3.63	2.03
100	2.32	3.57	3.17	3.74	2.55	----
101	3.50	5.51	3.56	3.35	4.92	3.00

TABLE AII. 77

EOSINOPHIL COUNT: FLIGHT 1
(cells/mm³)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
1	350	738	---	---	---	204
2	69	144	47	55	0	0
3	820	68	350	141	0	189
4	182	735	79	---	---	122
5	708	613	669	510	403	312
6	191	266	314	394	315	452
7	---	102	92	83	95	330
8	338	---	---	152	249	169
9	186	164	135	135	100	120
10	77	0	106	0	368	202
11	60	100	238	0	154	90
12	214	210	0	119	104	65
13	121	136	0	314	344	402
14	181	138	126	145	390	82
15	0	306	185	89	150	660
16	0	202	---	0	344	228
17	148	108	186	374	234	744
18	233	604	336	192	212	548
19	0	626	96	640	816	378
20	125	205	150	189	477	503
21	342	326	581	384	568	375
22	222	156	120	356	0	356
90	138	496	335	315	665	417
91	54	470	574	68	110	102
92	---	130	180	278	120	128

TABLE AII. 78

EOSINOPHIL COUNT: FLIGHT 2
(cells/mm³)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
23	132	630	50	260	298	173
24	200	86	0	150	220	430
25	126	680	80	54	73	0
26	---	98	66	150	60	0
27	292	299	145	248	144	140
28	1710	1680	960	1500	1920	---
29	309	112	193	298	181	214
30	64	0	0	98	285	102
31	---	87	0	63	71	89
32	35	480	0	0	539	336
33	412	792	58	231	0	0
34	219	444	136	101	201	99
35	50	325	222	88	122	95
36	234	574	107	242	504	99
37	275	296	460	159	450	330
38	1001	637	790	1395	1330	1680
39	0	246	238	73	112	224
40	260	360	125	170	180	65
41	393	264	130	354	291	225
42	720	---	0	182	0	384
43	286	400	575	149	522	545
44	330	98	195	76	320	94
93	0	240	348	350	280	181
94	316	312	197	300	146	194
95	216	408	206	260	252	432

TABLE AII. 79

EOSINOPHIL COUNT: FLIGHT 3
(cells/mm³)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
45	165	170	0	343	175	188
46	173	589	210	100	570	545
47	80	0	160	---	---	93
49	260	210	179	0	708	615
50	0	98	60	220	324	324
51	380	116	0	202	500	278
52	246	0	112	229	282	378
53	348	96	0	240	560	335
54	96	98	198	87	210	184
55	189	0	240	0	455	550
56	0	95	385	350	201	173

TABLE AII. 79 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
57	258	0	176	0	366	550
58	261	516	1080	648	576	1050
59	0	390	744	194	820	260
60	159	470	0	---	---	355
61	186	---	248	63	492	91
48	128	420	248	90	262	214
62	272	621	260	378	552	245
63	85	114	396	106	730	610
64	0	139	114	0	560	140
65	476	0	80	286	300	234
66	92	90	140	160	210	197
96	95	84	105	220	72	76
97	168	217	168	234	312	0
98	252	456	179	210	164	0

TABLE AII. 80

EOSINOPHIL COUNT: FLIGHT 4
(cells/mm³)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
68	338	620	210	---	---	316
69	178	604	423	420	302	162
70	272	418	148	116	328	210
71	746	890	410	648	954	695
72	64	152	174	245	405	70
73	169	256	279	138	362	81
74	303	203	200	315	484	550
75	170	182	300	139	230	525
76	0	152	231	314	461	0
77	156	215	287	181	162	149
78	110	284	352	170	376	236
79	312	214	0	0	104	123
80	100	105	75	0	73	74
81	113	181	79	0	285	318
82	210	185	175	70	0	110
83	82	114	0	60	0	0
84	68	97	204	65	297	56
85	231	126	299	67	0	252
86	0	272	183	75	82	0
87	0	106	166	209	85	278
88	0	72	0	77	370	198
99	198	428	175	372	404	254
100	179	204	99	340	335	---
101	0	320	216	108	378	86

TABLE AII. 81

MONOCYTE COUNT: FLIGHT 1
(cells/mm³)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
1	100	0	---	---	---	102
2	0	0	0	0	60	73
3	0	0	88	0	83	0
4	0	368	0	---	---	0
5	0	88	0	0	0	0
6	191	133	0	0	0	0
7	---	0	0	83	0	0
8	85	---	---	152	0	0
9	0	0	0	135	200	0
10	0	0	106	0	92	0
11	60	100	0	80	231	0
12	0	0	0	119	104	0
13	242	0	274	0	258	101
14	121	138	189	0	0	328
15	0	102	0	0	75	0
16	0	0	---	137	0	0
17	75	0	0	0	0	248
18	116	0	0	0	0	137
19	128	0	0	0	0	0
20	0	102	0	0	80	0
21	68	0	83	0	142	0
22	0	156	240	267	318	0
90	0	0	0	0	95	0
91	0	0	0	135	0	0
92	---	0	0	185	0	0

TABLE AII. 82

MONOCYTE COUNT: FLIGHT 2
(cells/mm³)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
23	132	0	0	0	0	0
24	0	86	0	0	0	86
25	126	544	240	0	0	0
26	---	0	0	50	0	81
27	0	0	238	99	144	0
28	0	129	0	375	120	---
29	0	562	0	0	91	0
30	64	207	80	0	0	0
31	----	174	63	63	0	0
32	35	288	0	314	91	112
33	103	132	0	0	212	0

TABLE AII. 82 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
34	0	0	0	0	101	0
35	0	65	0	88	0	0
36	78	0	0	81	84	0
37	0	0	0	0	0	0
38	452	0	237	0	267	112
39	123	246	0	73	0	335
40	130	0	0	57	0	0
41	0	396	0	118	194	113
42	80	---	0	91	0	96
43	0	80	216	0	87	0
44	0	0	0	0	160	94
93	142	320	0	0	0	272
94	237	0	99	150	0	388
95	0	58	0	0	126	0

TABLE AII. 83

MONOCYTE COUNT: FLIGHT 3
(cells/mm³)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
45	82	0	68	0	88	0
46	0	74	0	0	0	0
47	159	0	0	---	---	0
49	87	70	90	186	0	0
50	87	0	0	0	0	0
51	253	0	0	101	100	0
52	246	0	0	0	94	0
53	0	96	0	0	240	112
54	96	98	198	87	105	0
55	189	103	120	68	0	110
56	0	0	0	0	0	0
57	0	0	0	95	122	137
58	87	86	108	162	0	0
59	208	0	279	129	0	0
60	80	0	180	---	---	0
61	279	---	124	0	0	91
48	0	0	0	0	88	0
62	136	0	52	0	0	82
63	336	0	0	0	0	244
64	0	0	57	102	0	0
65	238	98	80	0	0	0
66	184	0	140	0	0	296
96	95	84	0	0	0	0
97	84	0	0	78	0	0
98	0	114	448	140	82	0

TABLE AII. 84

MONOCYTE COUNT: FLIGHT 4
(cells/mm³)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
68	0	0	70	---	---	0
69	0	0	0	0	76	0
70	91	84	74	58	0	0
71	212	99	0	216	0	0
72	0	0	116	0	324	0
73	0	0	0	0	91	0
74	101	0	0	63	0	0
75	85	91	100	0	0	0
76	0	0	0	471	0	0
77	0	108	96	0	0	0
78	0	189	0	0	0	118
79	208	0	0	150	0	246
80	400	420	225	80	219	74
81	339	0	158	165	114	0
82	140	185	0	70	0	0
83	82	114	156	60	85	0
84	68	48	136	195	0	0
85	0	0	0	201	0	252
86	0	68	122	0	0	0
87	88	0	0	209	0	0
88	95	72	0	0	93	0
99	0	0	0	0	101	64
100	0	0	0	0	67	---
101	0	0	216	0	0	0

TABLE AII. 85

BASOPHIL COUNT: FLIGHT 1
(cells/mm³)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
1	50	0	---	---	---	102
2	0	0	47	55	0	146
3	102	0	0	71	0	63
4	0	0	0	---	---	61
5	0	88	191	85	161	0
6	96	0	0	0	0	226
7	---	0	92	83	95	0
8	0	---	---	0	0	85
9	0	0	0	0	0	0
10	77	0	0	0	0	0
11	0	0	80	0	0	90
12	0	0	104	0	0	0

TABLE AII. 85 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
13	0	0	0	0	172	0
14	121	0	0	290	0	82
15	0	0	0	89	0	132
16	0	0	---	137	0	76
17	0	0	0	0	0	0
18	0	0	0	0	0	0
19	0	0	0	80	0	0
20	0	0	0	0	80	201
21	68	0	0	64	0	75
22	111	0	0	0	0	0
90	69	124	0	0	95	139
91	162	49	0	68	0	51
92	---	0	180	0	0	0

TABLE AII. 86

BASOPHIL COUNT: FLIGHT 2
(cells/mm³)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
23	0	126	0	0	0	0
24	0	0	0	50	55	86
25	0	0	0	54	73	0
26	---	0	0	100	0	0
27	146	0	0	0	0	0
28	107	0	0	0	120	---
29	0	0	0	224	0	0
30	0	0	0	0	0	0
31	---	0	0	0	0	0
32	0	0	90	0	91	224
33	0	0	0	0	0	110
34	0	0	0	0	0	0
35	0	65	111	132	0	0
36	0	0	0	161	0	99
37	0	0	0	80	0	0
38	0	0	79	0	0	0
39	123	0	0	0	0	0
40	0	0	0	57	45	0
41	0	0	0	0	0	0
42	0	---	0	0	0	0
43	0	80	72	75	87	109
44	0	0	0	0	0	0
93	0	0	0	70	0	0
94	0	0	99	0	0	0
95	0	0	0	65	0	0

TABLE AII. 87

BASOPHIL COUNT: FLIGHT 3
(cells/mm³)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
45	0	0	0	137	0	0
46	0	74	0	0	95	0
47	0	0	0	---	---	0
49	260	0	0	0	0	0
50	0	0	0	0	0	0
51	0	0	0	0	0	0
52	123	0	0	0	0	0
53	0	0	0	0	160	0
54	0	0	66	87	210	0
55	95	206	240	0	182	110
56	0	0	0	100	0	0
57	172	0	88	95	0	0
58	0	0	108	0	0	0
59	0	0	186	129	0	0
60	0	0	0	---	---	236
61	94	---	0	0	82	91
48	0	0	0	90	0	0
62	0	104	0	0	138	0
63	0	0	132	0	0	122
64	0	0	0	0	160	140
65	0	0	0	0	0	0
66	0	90	140	0	0	0
96	0	0	0	0	0	0
97	168	0	0	0	0	0
98	0	0	0	0	0	107

TABLE AII. 88

BASOPHIL COUNT: FLIGHT 4
(cells/mm³)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
68	0	88	70	---	---	0
69	178	100	71	0	0	0
70	0	84	148	116	0	0
71	0	0	0	144	0	0
72	0	0	0	0	0	0
73	0	171	93	0	91	0
74	0	102	0	0	84	0
75	170	91	0	0	77	0
76	92	152	77	0	0	0
77	0	107	0	0	54	149
78	0	0	0	85	94	0
79	104	0	0	50	104	123

TABLE AII. 88 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
80	0	0	0	80	0	0
81	0	0	79	55	57	0
82	0	0	0	0	67	0
83	0	0	0	120	85	0
84	0	0	0	130	0	0
85	0	0	0	134	84	168
86	0	0	0	150	82	0
87	0	0	83	70	85	0
88	0	0	0	0	93	99
99	66	0	175	62	0	0
100	60	0	99	0	0	---
101	0	160	0	0	0	0

TABLE AII. 89

MEAN DAILY URINARY VOLUME: FLIGHT 1
(ml/day)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
1	1665	1648	----	----	----	1878
2	1225	1180	952	533	1310	1455
3	1780	1918	1810	1238	964	2372
4	1850	2250	1486	----	----	2572
5	1860	1830	2075	2072	2069	2596
6	2115	2275	1585	626	1860	1950
7	1535	1540	872	858	1502	2193
8	1248	1370	----	738	1499	1476
9	998	1178	1618	1311	1812	2291
10	1110	1092	1570	1528	1266	1663
11	1622	1497	2088	1760	1192	2360
12	913	843	1365	1136	1020	1331
13	1725	1629	1660	1462	1893	2381
14	1798	1838	1478	1332	2130	2773
15	2660	2810	2620	2750	2560	3042
16	1790	1463	----	930	1710	1600
17	1612	1891	2061	2258	2010	2341
18	1380	878	1047	1012	1431	2122
19	1810	1658	1608	1660	1658	1887
20	792	1668	960	1090	1662	2292
21	1522	1642	1158	1109	1408	1682
22	2023	2462	1572	1540	2121	1992
90	----	3240	----	2973	----	3545
91	----	1921	----	1274	----	2833
92	----	1248	----	1162	----	898

TABLE AII. 90

MEAN DAILY URINARY VOLUME: FLIGHT 2
(ml/day)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
23	2650	2795	1009	649	1841	2552
24	1715	1690	636	430	1842	2510
25	980	1050	568	422	745	1343
26	1235	1270	840	609	932	1980
27	1900	1870	641	450	1532	2401
28	1635	1740	727	476	1402	2411
29	1200	1050	547	442	1002	1472
30	1005	1078	414	500	1068	1300
31	1180	1162	892	729	1310	1552
32	1670	1412	1390	974	1652	2940
33	1785	1760	915	1336	2180	1978
34	1262	1281	1050	895	1738	2128
35	1163	969	507	419	979	1237
36	1164	895	671	645	1228	2200
37	1548	1452	678	460	1827	1840
38	2180	1860	1125	822	2580	2757
39	2342	2292	703	730	2118	2815
40	1780	1658	894	598	1778	2150
41	2480	2550	1410	893	2580	3540
42	1078	890	654	713	1440	2080
43	1220	1199	792	997	1740	1740
44	1305	1290	984	752	1490	1672
93	----	1067	----	1441	----	1500
94	----	626	----	1096	----	910
95	----	2854	----	3840	----	2370

TABLE AII. 91

MEAN DAILY URINARY VOLUME: FLIGHT 3
(ml/day)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
45	1662	1550	2355	1909	1400	2048
46	1812	1792	1332	1328	1580	2210
47	1175	1412	1015	----	----	1542
49	1258	1349	455	404	1038	2212
50	1505	2028	1270	990	1482	2320
51	1333	1546	1575	960	1505	2000
52	1518	1225	1498	1160	1480	2130
53	1522	1431	1310	1324	1242	2214
54	1227	1282	1452	1681	1320	1912
55	943	1281	1823	1560	1350	1737
56	1690	1745	3340	2338	1610	2208

TABLE AII. 91 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
57	1062	1562	1457	1719	1690	1832
58	1635	1757	1790	1492	1771	2093
59	1820	1738	2290	2710	1630	2635
60	1678	2020	1430	----	----	2691
61	2030	----	2185	2850	2292	2689
48	1950	2260	2175	1273	1690	2461
62	1252	1365	853	702	1148	2013
63	1194	1250	732	708	1051	1581
64	1940	1598	1960	1352	1838	1710
65	1558	1538	1292	1146	1608	1930
66	1428	1560	1630	1432	2120	2193
96	----	1794	----	1959	----	2920
97	----	861	----	1144	----	572
98	----	1157	----	1280	----	1352

TABLE AII. 92

MEAN DAILY URINARY VOLUME: FLIGHT 4
(ml/day)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
68	1050	1408	788	----	----	1695
69	2352	2322	815	694	2208	3062
70	1254	935	625	499	1116	1442
71	1063	1187	632	506	946	1800
72	1618	1650	785	501	1873	2030
73	2582	2308	986	609	2210	2020
74	1188	1258	352	333	1452	1732
75	1199	1072	716	756	1510	1670
76	1318	1381	834	642	1760	1774
77	1808	1762	1250	1081	2200	1961
78	1142	1147	1223	1053	1550	1880
79	1608	1547	901	418	1398	2241
80	1085	955	603	448	1232	1531
81	1388	1281	628	518	1418	1927
82	1249	1500	692	581	2100	2210
83	1350	1367	812	541	1492	1899
84	1441	1321	746	459	1080	2205
85	1850	1688	720	708	1990	2327
86	1191	1206	754	586	1595	1578
87	1378	1395	904	716	2372	1970
88	1290	1440	828	523	2321	1975
99	----	883	----	1192	----	1410
100	----	1502	----	1938	----	1583
101	----	1190	----	1331	----	1120

TABLE AII. 93

MEAN DAILY URINARY SODIUM: FLIGHT 1
(mEq/day)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
1	298	286	---	---	---	317
2	314	320	65	45	351	358
3	261	328	84	51	250	488
4	296	286	60	---	---	444
5	273	280	56	16	340	437
6	358	249	70	20	337	338
7	319	252	51	26	368	418
8	273	269	---	12	318	358
9	101	189	54	15	270	385
10	269	209	62	50	376	363
11	293	240	127	90	270	373
12	196	183	127	86	187	238
13	428	356	96	112	400	359
14	248	249	99	90	363	443
15	328	341	193	196	407	254
16	312	269	---	140	380	258
17	283	294	71	58	342	358
18	246	175	55	47	307	361
19	294	274	161	145	320	310
20	121	237	132	128	295	226
21	316	241	171	158	284	228
22	306	284	158	146	285	288

TABLE AII. 94

MEAN DAILY URINARY SODIUM: FLIGHT 2
(mEq/day)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
23	321	329	67	11	218	354
24	346	294	51	11	294	309
25	162	170	57	14	193	412
26	286	297	98	45	256	451
27	272	308	49	28	280	374
28	313	294	22	8	275	415
29	305	276	22	16	288	376
30	238	174	30	10	256	310
31	289	264	90	46	305	339
32	303	238	94	50	258	430
33	326	356	65	66	354	318
34	297	305	112	86	346	420
35	272	223	89	88	298	317

TABLE AII. 94 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
36	188	193	98	139	276	510
37	300	355	164	150	437	275
38	281	219	132	114	315	431
39	278	278	47	40	228	378
40	303	284	73	64	334	334
41	364	400	163	100	312	337
42	242	148	122	134	258	348
43	297	302	162	158	328	251
44	308	334	193	140	339	297

TABLE AII. 95

MEAN DAILY URINARY SODIUM: FLIGHT 3
(mEq/day)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
45	337	324	62	18	302	466
46	353	311	51	16	302	358
47	222	294	61	---	---	298
49	294	311	28	16	266	451
50	287	348	53	14	308	385
51	252	254	44	28	319	330
52	300	220	77	34	236	343
53	360	304	81	34	288	419
54	303	288	73	74	268	388
55	164	207	90	94	254	322
56	328	330	137	142	268	287
57	152	240	114	130	330	390
58	141	225	107	81	320	296
59	186	346	178	208	334	447
60	327	330	115	---	---	366
61	265	---	146	182	318	407
48	363	364	77	66	343	444
62	320	330	79	63	262	396
63	246	268	110	124	258	253
64	400	396	185	170	320	328
65	368	320	197	177	396	336
66	284	326	203	175	361	437

TABLE AII. 96

MEAN DAILY URINARY SODIUM: FLIGHT 4
(mEq/day)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
68	267	288	61	---	---	425
69	340	330	53	16	373	551
70	310	236	31	16	290	358
71	246	236	49	18	195	356
72	245	308	49	18	342	291
73	341	308	47	26	352	334
74	289	256	31	16	232	346
75	272	236	75	76	302	332
76	308	276	75	72	343	304
77	325	300	113	96	353	279
78	288	256	148	100	297	318
79	295	290	99	96	330	424
80	238	220	97	98	280	352
81	327	293	150	174	280	359
82	295	330	158	166	371	373
83	295	254	81	79	300	290
84	322	285	91	59	248	325
85	324	309	154	148	230	306
86	222	178	162	121	254	214
87	330	341	175	166	254	273
88	289	311	173	118	305	284

TABLE AII. 97

MEAN DAILY URINARY POTASSIUM: FLIGHT 1
(mEq/day)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
1	64	55	---	---	---	101
2	64	59	36	32	61	93
3	56	46	38	27	35	95
4	83	57	43	---	---	100
5	71	68	50	38	59	120
6	78	55	40	22	64	104
7	104	51	43	30	48	109
8	79	51	---	28	31	112
9	49	49	52	26	52	101
10	58	45	35	32	51	95
11	81	71	70	60	69	105
12	45	39	67	51	47	87
13	78	77	37	28	84	126
14	47	44	38	34	52	95

TABLE AII. 97 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
15	81	88	52	52	94	61
16	67	62	---	14	70	77
17	62	56	74	58	70	117
18	60	59	57	53	59	120
19	69	57	72	66	61	79
20	22	33	61	45	48	73
21	63	53	69	61	51	75
22	74	69	69	76	74	77

TABLE AII. 98

MEAN DAILY URINARY POTASSIUM: FLIGHT 2
(mEq/day)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
23	83	102	42	22	57	104
24	66	66	35	18	37	87
25	45	34	33	18	47	81
26	50	57	43	14	35	66
27	60	76	33	18	40	89
28	74	72	29	18	62	77
29	79	61	20	14	59	87
30	50	45	20	12	30	69
31	61	61	51	46	59	86
32	73	69	51	46	53	106
33	65	52	46	49	51	100
34	67	59	61	68	57	137
35	52	37	30	30	30	67
36	71	51	43	34	61	108
37	76	65	32	22	65	83
38	65	40	30	30	45	88
39	79	54	35	38	46	96
40	74	65	45	46	64	106
41	76	63	53	49	61	102
42	45	56	53	61	47	99
43	65	65	67	71	62	70
44	67	65	77	64	47	90

TABLE AII. 99

MEAN DAILY URINARY POTASSIUM: FLIGHT 3
(mEq/day)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
45	74	66	38	31	62	106
46	67	57	33	28	48	104
47	44	49	22	---	---	69
49	58	45	20	16	45	124
50	54	56	28	14	33	121
51	62	75	31	19	64	120
52	85	65	29	10	59	102
53	85	71	39	56	79	147
54	75	71	51	56	57	117
55	54	51	62	61	63	106
56	58	44	63	48	65	95
57	46	49	31	24	66	104
58	37	45	20	18	40	88
59	70	64	37	37	62	131
60	71	64	23	---	---	103
61	62	---	27	25	43	94
48	46	48	51	55	53	122
62	58	47	22	28	44	109
63	46	47	35	40	51	70
64	76	61	56	54	74	95
65	73	71	75	74	79	121
66	85	71	83	92	94	122

TABLE AII. 100

MEAN DAILY URINARY POTASSIUM: FLIGHT 4
(mEq/day)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
68	50	45	36	---	---	79
69	69	64	39	32	66	122
70	61	45	30	34	53	95
71	46	39	31	20	10	62
72	50	40	24	22	43	78
73	80	69	31	10	49	92
74	67	75	20	8	50	92
75	56	36	47	63	44	71
76	61	55	45	63	43	81
77	54	43	57	75	40	71
78	61	59	71	73	62	97
79	56	45	32	28	51	97
80	52	45	36	28	65	81

TABLE AII. 100 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
81	73	65	30	28	65	92
82	65	62	30	36	66	100
83	61	45	45	36	63	79
84	65	57	41	44	51	104
85	74	65	61	66	50	92
86	43	49	57	52	45	67
87	54	57	63	66	43	64
88	65	63	61	48	53	81

TABLE AII. 101

MEAN DAILY URINARY CALCIUM: FLIGHT 1
(mg/day)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
1	129	208	---	---	---	284
2	176	125	73	67	222	207
3	164	208	117	59	236	296
4	135	114	62	---	---	250
5	192	241	117	92	294	322
6	348	316	145	116	370	378
7	335	284	112	85	302	377
8	247	157	---	93	220	216
9	123	126	140	143	306	339
10	206	254	126	116	316	273
11	105	112	84	94	147	149
12	164	156	202	218	175	183
13	138	94	83	93	120	147
14	169	238	90	83	181	244
15	330	331	113	130	286	240
16	277	223	---	116	194	198
17	311	278	139	148	455	455
18	254	171	112	83	248	305
19	256	254	156	141	264	346
20	184	254	120	118	207	232
21	166	285	108	83	179	163
22	167	204	83	76	145	156

TABLE AII. 102

MEAN DAILY URINARY CALCIUM: FLIGHT 2
(mg/day)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
23	280	332	135	92	232	312
24	96	73	73	63	135	164
25	89	141	87	75	151	183
26	55	63	45	41	100	107
27	141	255	43	37	161	165
28	283	290	135	51	238	390
29	255	245	79	55	220	252
30	133	128	71	67	144	153
31	220	207	155	151	266	284
32	133	122	116	104	238	321
33	148	135	87	100	228	237
34	148	140	136	120	348	340
35	166	189	159	140	195	222
36	166	221	108	112	357	466
37	162	175	118	92	236	190
38	148	118	83	55	196	171
39	179	176	49	51	160	164
40	119	67	71	63	86	79
41	233	258	99	75	280	366
42	184	170	81	83	199	277
43	103	102	45	43	108	90
44	151	148	75	71	211	163

TABLE AII. 103

MEAN DAILY URINARY CALCIUM: FLIGHT 3
(mg/day)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
45	167	207	111	78	220	296
46	249	213	163	110	270	328
47	156	286	83	---	---	282
49	251	280	87	51	321	424
50	220	268	55	41	220	273
51	202	209	81	49	226	229
52	220	195	68	49	162	209
53	228	233	124	116	244	332
54	246	280	173	141	308	348
55	172	193	134	136	341	372
56	215	240	164	177	284	384
57	166	156	163	173	306	284
58	139	133	89	78	166	149

TABLE AII. 103 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
59	222	228	193	195	256	328
60	85	85	83	---	---	100
61	312	---	181	225	256	310
48	358	358	180	112	348	514
62	208	181	67	59	260	250
63	248	317	172	140	270	288
64	299	380	163	124	292	383
65	291	296	169	150	312	286
66	128	130	104	96	142	150

TABLE AII. 104

MEAN DAILY URINARY CALCIUM: FLIGHT 4
(mg/day)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
68	117	118	104	---	---	130
69	315	286	149	118	313	352
70	170	166	144	136	175	179
71	253	280	137	104	244	280
72	191	216	71	63	228	223
73	210	253	45	43	256	218
74	230	227	126	71	264	240
75	190	201	87	91	216	209
76	123	112	79	95	201	134
77	101	107	71	63	190	160
78	119	85	77	67	198	119
79	189	199	118	112	220	270
80	212	205	120	136	244	244
81	166	164	120	128	163	198
82	120	178	79	128	188	192
83	198	183	118	93	195	220
84	129	134	59	45	108	97
85	106	134	45	63	121	130
86	96	152	97	67	128	112
87	242	260	134	118	237	240
88	93	102	49	49	125	135

TABLE AII. 105

MEAN DAILY URINARY PHOSPHORUS: FLIGHT 1
(gm/day)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
1	1.19	0.92	----	----	----	1.50
2	1.07	1.01	0.83	0.73	0.77	1.14
3	0.83	0.79	1.07	0.61	0.49	1.19
4	0.85	0.89	0.97	----	----	1.13
5	1.00	0.99	0.69	0.71	0.79	1.42
6	1.03	1.03	0.59	0.55	0.79	1.35
7	1.32	0.97	0.67	0.53	0.73	1.68
8	1.05	0.81	----	0.41	0.79	1.52
9	0.67	0.85	1.00	0.71	0.71	1.58
10	0.93	0.67	0.87	0.79	0.41	1.42
11	0.95	0.89	1.35	1.37	0.67	1.32
12	0.69	0.65	1.52	1.30	0.55	1.08
13	1.13	1.14	0.89	0.71	0.89	1.66
14	0.78	0.79	0.79	0.85	0.52	1.01
15	0.97	1.28	0.91	0.67	1.00	1.59
16	1.09	1.01	----	0.55	1.01	1.23
17	1.04	0.91	0.91	0.87	1.06	1.49
18	1.05	0.85	0.79	0.85	0.89	1.65
19	1.04	0.85	0.86	0.85	0.77	1.19
20	0.61	0.62	0.93	0.85	0.79	1.52
21	0.97	0.92	1.06	0.85	0.79	1.22
22	1.03	0.95	1.01	0.99	0.92	1.37

TABLE AII. 106

MEAN DAILY URINARY PHOSPHORUS: FLIGHT 2
(gm/day)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
23	1.21	1.40	1.23	0.94	0.52	1.32
24	0.78	0.85	0.93	0.80	0.28	1.06
25	0.69	0.67	0.85	0.89	0.40	0.93
26	0.89	0.95	1.12	0.94	0.16	1.04
27	0.76	0.99	0.65	0.67	0.48	1.06
28	1.02	1.03	0.73	0.49	0.48	1.20
29	1.09	1.06	0.47	0.49	0.49	1.22
30	0.65	0.79	0.45	0.45	0.49	1.08
31	1.05	1.06	1.36	1.26	0.53	1.23
32	0.95	0.85	1.26	1.12	0.33	0.64
33	1.04	0.90	1.22	1.85	0.91	1.42
34	1.05	1.06	1.52	1.54	0.28	1.57
35	0.77	0.81	0.89	0.85	0.89	0.67

TABLE AII. 106 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
36	0.95	0.93	1.00	0.85	0.73	1.35
37	0.76	1.08	0.71	0.61	0.63	1.30
38	0.88	0.81	0.67	0.65	0.35	0.97
39	1.03	0.95	0.61	0.79	0.46	1.03
40	0.83	1.02	0.89	0.93	0.26	1.14
41	0.97	1.03	1.01	0.79	0.30	0.61
42	0.81	1.04	0.89	0.95	0.37	0.74
43	0.85	0.95	1.08	1.20	0.59	0.82
44	1.05	0.93	1.22	1.20	0.55	0.93

TABLE AII. 107

MEAN DAILY URINARY PHOSPHORUS: FLIGHT 3
(gm/day)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
45	1.00	0.92	1.13	0.74	0.59	0.69
46	0.92	0.77	1.01	0.69	0.97	0.99
47	0.73	0.85	0.49	----	----	1.18
49	0.97	0.85	0.55	0.37	0.37	1.32
50	0.95	0.91	0.55	0.37	0.33	1.35
51	0.97	1.10	0.51	0.28	0.79	1.42
52	1.09	0.73	0.64	0.37	0.77	0.99
53	1.21	1.03	1.14	1.06	0.67	1.03
54	1.09	1.06	1.30	1.19	0.47	1.36
55	0.81	0.67	1.21	1.28	0.69	0.97
56	0.83	0.73	1.64	1.57	0.61	1.21
57	0.97	1.01	0.84	0.58	0.43	1.08
58	0.75	0.66	0.61	0.52	0.26	1.11
59	0.99	1.04	0.92	0.55	0.70	1.40
60	0.97	0.93	0.62	----	----	0.93
61	0.95	----	0.70	0.65	0.56	0.91
48	1.11	1.04	1.08	0.89	0.51	1.40
62	0.85	0.70	0.48	0.45	0.57	1.42
63	0.95	0.91	0.64	0.67	0.75	0.90
64	1.18	1.18	0.99	0.95	0.84	1.21
65	1.05	1.14	1.22	1.20	1.01	1.28
66	1.21	1.01	1.17	1.12	1.04	1.40

TABLE AII. 108

MEAN DAILY URINARY PHOSPHORUS: FLIGHT 4
(gm/day)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
68	0.75	0.95	0.96	----	----	1.12
69	1.04	1.01	1.12	0.79	0.69	1.22
70	0.77	0.85	0.93	0.67	0.37	0.93
71	0.81	0.73	0.61	0.49	0.35	0.92
72	0.72	0.79	0.65	0.61	0.63	0.99
73	0.76	0.82	0.61	0.35	0.54	1.06
74	0.97	1.06	0.53	0.37	0.62	1.10
75	0.95	0.81	1.08	1.26	0.53	0.88
76	0.85	0.97	1.14	1.26	0.81	1.12
77	0.81	0.84	1.38	1.38	0.78	0.99
78	0.93	0.85	1.64	1.50	0.97	1.14
79	0.78	0.75	0.73	0.65	0.40	0.89
80	0.93	0.94	0.83	0.61	0.65	1.18
81	1.05	1.01	0.71	0.61	0.79	1.19
82	0.93	1.03	0.73	0.79	0.84	1.05
83	0.93	0.85	0.71	0.61	0.75	1.21
84	0.87	0.77	0.73	0.69	0.30	0.97
85	1.02	0.93	0.95	1.12	0.57	0.90
86	0.77	0.69	0.93	0.93	0.55	0.83
87	1.01	1.10	1.12	0.89	0.64	0.90
88	0.93	1.10	1.14	0.66	0.69	0.99

TABLE AII. 109

MEAN DAILY URINARY CHLORIDE: FLIGHT 1
(mEq/day)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
1	291	287	---	---	---	400
2	289	279	65	10	333	361
3	263	280	79	20	193	507
4	282	262	73	---	---	465
5	277	286	81	0	350	435
6	345	235	77	0	361	353
7	344	229	65	6	348	420
8	281	279	---	4	311	365
9	117	176	83	10	325	408
10	273	229	75	18	392	379
11	295	246	116	72	286	392
12	194	195	126	83	177	246
13	365	385	99	89	345	494
14	260	233	103	91	332	423

TABLE AII. 109 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
15	315	341	167	152	410	238
16	326	271	---	143	376	293
17	292	306	83	42	339	309
18	259	168	73	35	294	386
19	314	260	165	134	317	340
20	319	223	144	124	297	207
21	321	247	164	152	288	229
22	304	278	154	137	270	286

TABLE AII. 110

MEAN DAILY URINARY CHLORIDE: FLIGHT 2
(mEq/day)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
23	302	325	84	20	225	425
24	339	300	67	6	292	324
25	152	351	55	4	209	412
26	277	279	93	24	256	465
27	261	309	59	4	279	385
28	309	294	48	4	253	411
29	315	278	51	2	272	392
30	236	183	51	2	227	327
31	275	258	77	30	304	332
32	301	244	87	41	275	449
33	317	339	77	85	339	356
34	295	295	112	75	368	445
35	263	217	104	71	292	343
36	178	211	104	132	284	508
37	307	335	160	146	181	363
38	294	227	148	104	205	353
39	285	286	63	24	247	392
40	289	268	83	28	126	339
41	333	376	169	104	304	345
42	224	162	140	136	244	386
43	285	296	168	171	308	277
44	283	309	187	122	347	334

TABLE AII. 111

MEAN DAILY URINARY CHLORIDE: FLIGHT 3
(mEq/day)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
45	371	356	65	34	273	534
46	383	329	74	26	273	373
47	240	298	53	---	---	345
49	327	337	53	28	250	416
50	311	369	51	30	284	433
51	259	260	55	35	310	343
52	325	254	53	24	254	376
53	386	332	85	71	302	456
54	329	315	95	72	288	418
55	204	233	114	106	317	363
56	344	337	149	123	302	327
57	171	323	118	121	363	422
58	148	232	104	78	318	329
59	217	360	181	186	345	489
60	346	344	121	---	---	382
61	295	---	154	124	302	447
48	400	378	88	81	334	474
62	329	307	62	53	262	351
63	279	274	121	122	252	255
64	419	396	140	156	343	359
65	356	341	197	181	381	389
66	310	284	202	181	343	467

TABLE AII. 112

MEAN DAILY URINARY CHLORIDE: FLIGHT 4
(mEq/day)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
68	368	305	69	---	---	436
69	364	347	78	28	344	578
70	337	252	57	28	274	376
71	273	235	53	28	189	381
72	271	299	59	28	319	304
73	356	330	61	32	322	344
74	317	266	47	30	292	374
75	305	244	79	63	218	358
76	335	284	91	67	348	326
77	332	297	106	100	356	307
78	323	264	150	108	328	333
79	328	309	137	91	334	378
80	329	240	106	97	294	371

TABLE AII. 112 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
81	354	307	158	168	278	367
82	311	326	150	162	363	365
83	311	327	89	65	284	306
84	356	276	120	55	242	335
85	340	309	150	148	230	336
86	242	193	160	140	248	258
87	337	341	191	162	258	284
88	297	325	177	106	315	295

TABLE AII. 113

MEAN DAILY URINARY NITROGEN: FLIGHT 1
(gm/day)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
1	13.74	14.91	-----	-----	-----	20.40
2	14.38	15.48	10.73	8.77	15.30	20.13
3	11.45	14.28	12.67	8.16	10.56	17.10
4	10.10	13.48	12.62	-----	-----	18.19
5	12.71	16.28	8.79	6.58	16.49	21.79
6	12.31	15.69	7.88	4.81	14.35	20.77
7	17.80	14.72	7.46	6.46	14.30	23.00
8	14.16	12.60	-----	4.06	12.53	20.99
9	8.07	10.07	13.19	11.71	16.25	17.70
10	11.70	12.00	12.90	13.29	13.53	19.60
11	15.99	13.92	24.58	22.62	14.42	17.43
12	9.74	11.62	19.69	22.28	10.23	16.42
13	14.10	18.30	12.50	9.84	16.40	25.85
14	11.28	12.92	10.36	11.46	16.90	19.80
15	15.48	15.92	10.86	8.88	16.60	19.65
16	13.42	14.70	-----	6.72	14.19	17.10
17	12.89	14.02	11.42	10.99	17.60	11.22
18	14.50	11.42	10.82	11.64	13.60	14.88
19	15.90	13.45	14.88	13.59	16.03	19.30
20	7.50	9.34	12.41	13.00	12.83	21.58
21	13.50	13.23	14.52	13.76	12.28	16.12
22	12.50	13.71	13.48	13.78	13.27	10.30

TABLE AII. 114

MEAN DAILY URINARY NITROGEN: FLIGHT 2
(gm/day)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
23	14.78	16.43	15.03	11.22	12.10	16.47
24	13.00	14.31	11.43	10.93	11.42	16.60
25	9.45	8.48	11.00	9.25	11.17	16.57
26	14.88	15.28	14.22	13.80	11.50	18.97
27	11.58	13.52	8.35	7.86	11.38	13.83
28	14.10	14.69	8.05	5.50	11.83	15.47
29	14.40	15.42	5.54	5.03	11.73	18.39
30	10.58	9.94	4.35	5.12	11.62	12.60
31	12.12	11.58	19.73	19.38	14.15	16.92
32	14.08	13.45	19.50	17.00	14.01	18.75
33	14.82	18.48	18.23	29.38	15.30	21.58
34	14.59	15.70	24.12	23.60	17.80	21.22
35	11.77	12.33	9.66	9.32	10.18	14.82
36	11.70	10.23	16.42	12.09	19.82	22.78
37	13.57	16.28	8.85	7.02	17.83	20.90
38	14.97	14.18	10.42	7.02	13.20	19.28
39	16.48	14.62	9.26	11.42	12.53	17.15
40	14.21	14.43	13.00	13.12	13.85	17.20
41	16.22	16.33	15.31	12.63	12.08	17.67
42	12.00	10.31	11.13	13.92	14.11	18.10
43	13.06	13.87	16.33	18.60	15.02	13.08
44	16.62	16.58	19.12	16.82	14.73	17.62

TABLE AII. 115

MEAN DAILY URINARY NITROGEN: FLIGHT 3
(gm/day)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
45	16.68	18.12	14.02	10.09	15.08	19.48
46	14.09	14.62	12.46	9.43	14.47	17.40
47	10.74	15.40	6.06	-----	-----	18.02
49	13.03	15.22	6.62	5.20	12.10	15.92
50	14.85	17.11	7.77	4.69	13.22	23.10
51	11.16	12.83	6.09	3.45	11.01	18.89
52	13.17	11.70	5.90	4.52	10.30	15.14
53	14.73	16.81	17.85	18.60	13.98	22.42
54	13.40	15.16	19.92	19.42	12.68	17.23
55	11.63	10.40	21.40	24.60	15.44	16.00
56	12.88	13.63	25.12	26.89	14.97	17.98
57	14.97	13.76	9.50	7.19	14.62	19.60
58	9.71	11.32	7.14	6.43	13.64	14.80

TABLE AII. 115 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
59	16.55	13.43	11.29	7.54	12.25	21.00
60	14.20	14.92	8.44	-----	-----	20.40
61	11.72	-----	7.80	6.69	10.06	17.02
48	15.73	15.92	13.69	12.72	18.97	24.50
62	11.22	12.00	6.37	6.55	9.77	19.82
63	13.52	13.83	10.38	8.94	12.74	13.82
64	15.11	16.52	13.49	14.20	16.30	19.00
65	15.22	16.68	16.17	14.56	16.38	20.02
66	14.92	14.74	15.52	17.32	19.52	23.21

TABLE AII. 116

MEAN DAILY URINARY NITROGEN: FLIGHT 4
(gm/day)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
68	11.37	11.85	11.43	-----	-----	15.15
69	17.45	17.10	13.00	12.97	17.47	20.85
70	13.16	14.52	11.50	9.40	15.08	17.97
71	11.58	11.73	6.54	6.03	10.11	14.48
72	13.09	14.60	8.34	7.28	14.60	17.87
73	15.49	15.79	6.55	4.08	12.67	15.92
74	14.03	14.97	5.84	4.18	11.82	18.58
75	13.76	11.83	17.28	20.00	12.41	14.64
76	13.58	13.57	18.85	19.28	14.42	16.28
77	12.71	14.28	24.03	24.30	15.80	16.72
78	11.26	11.58	26.88	26.95	14.48	14.82
79	12.58	14.79	10.78	7.78	13.68	20.47
80	14.11	13.23	12.23	8.02	12.13	16.23
81	16.46	16.98	7.76	6.05	12.10	16.48
82	14.13	16.19	10.18	8.79	16.33	19.30
83	13.77	13.97	11.20	8.28	13.50	17.80
84	15.59	14.43	10.40	10.09	11.36	16.95
85	15.38	15.78	13.72	16.20	13.59	18.07
86	11.58	10.71	12.70	12.95	11.50	12.42
87	14.96	16.70	16.50	14.87	11.28	16.47
88	14.30	18.09	16.58	11.90	14.20	17.13

TABLE AII. 117

MEAN DAILY URINARY 17-KETOSTEROIDS: FLIGHT 1
(mg/day)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
1	5.2	4.7	---	---	---	6.3
2	8.2	7.6	5.9	4.5	5.9	10.2
3	8.3	10.3	5.6	4.3	5.5	9.7
4	9.2	10.8	6.1	---	---	10.9
5	8.0	9.6	7.1	6.6	7.6	7.8
6	7.1	9.2	6.1	4.9	5.3	11.2
7	11.5	12.7	7.5	6.1	5.2	15.5
8	9.7	13.9	---	8.0	9.6	10.4
9	6.5	6.2	5.7	5.2	5.8	7.5
10	11.0	12.2	7.8	5.3	5.9	11.6
11	7.8	8.4	6.3	6.7	7.7	8.6
12	10.9	11.1	8.6	8.9	8.0	12.4
13	12.0	14.7	7.2	6.3	8.9	20.4
14	7.8	7.8	5.8	4.2	6.4	9.0
15	11.1	13.3	11.8	9.6	8.2	16.7
16	9.9	12.6	---	5.1	6.5	9.2
17	14.5	12.6	12.8	11.0	9.3	13.3
18	14.8	12.9	10.4	8.8	7.7	17.7
19	10.8	14.7	11.7	11.0	11.2	14.5
20	5.6	6.5	5.3	4.8	6.2	7.4
21	5.9	5.3	6.3	6.0	5.3	6.0
22	9.3	12.9	7.6	11.9	10.3	12.5
90	19.1	---	---	9.0	---	13.2
91	---	---	---	10.2	---	15.1
92	14.9	---	---	14.9	---	7.6

TABLE AII. 118

MEAN DAILY URINARY 17-KETOSTEROIDS: FLIGHT 2
(mg/day)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
23	10.4	14.4	7.6	5.3	7.8	10.2
24	11.7	9.9	9.5	8.6	4.8	7.9
25	9.1	8.8	9.2	7.8	6.0	12.8
26	5.6	5.7	5.6	6.6	4.7	7.7
27	8.9	7.7	5.5	6.7	5.7	9.8
28	12.6	12.0	9.3	8.9	9.0	13.0
29	8.7	9.5	6.6	6.7	7.7	8.0
30	9.2	11.0	9.9	9.5	9.2	11.1
31	10.2	12.8	7.5	5.9	7.1	13.0
32	8.2	10.3	7.7	6.1	7.2	11.7
33	7.9	8.7	7.6	6.1	6.7	8.7

TABLE AII. 118 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
34	8.9	9.5	7.8	7.7	6.8	9.1
35	8.7	8.4	7.0	6.0	5.0	9.5
36	9.3	8.5	5.7	6.3	6.4	8.3
37	12.1	13.1	8.9	8.4	11.4	14.5
38	11.8	10.9	6.9	6.8	8.8	12.8
39	8.1	6.6	3.6	5.3	7.0	8.3
40	10.4	12.4	9.4	9.3	6.2	10.7
41	14.0	14.4	9.0	9.6	7.5	12.5
42	10.5	8.6	7.9	9.0	11.4	14.9
43	6.2	6.6	6.7	7.5	6.1	7.1
44	12.3	12.7	10.7	7.5	11.4	14.0
93	11.8	---	---	11.8	---	10.0
94	14.6	---	---	9.5	---	8.8
95	11.5	---	---	11.8	---	4.8

TABLE AII. 119

MEAN DAILY URINARY 17-KETOSTEROIDS: FLIGHT 3
(mg/day)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
45	14.6	12.2	9.0	5.9	10.3	13.4
46	14.0	15.3	8.1	10.5	8.0	15.4
47	9.2	12.2	5.5	---	---	8.6
49	13.6	16.4	9.1	7.2	8.0	13.9
50	7.8	10.7	6.9	5.7	5.0	8.7
51	8.6	8.1	6.5	4.0	6.5	9.8
52	13.2	13.7	9.2	9.2	9.0	14.4
53	8.0	9.3	4.8	5.6	8.0	10.2
54	7.7	9.0	5.4	4.5	6.6	9.7
55	8.8	7.3	7.0	6.0	6.5	10.2
56	14.7	14.1	9.3	8.5	9.6	12.7
57	7.9	8.4	5.1	7.0	9.1	10.5
58	6.9	8.3	5.6	5.2	5.9	7.8
59	8.2	7.6	7.3	6.4	6.2	12.3
60	8.6	8.8	8.2	---	---	10.9
61	12.8	---	11.3	10.0	10.1	11.5
48	8.9	9.7	7.5	8.5	7.4	11.3
62	4.7	4.9	5.0	3.7	3.3	5.7
63	9.0	6.9	7.6	7.8	10.7	7.7
64	12.0	12.4	10.1	12.5	10.8	12.3
65	14.0	16.1	14.9	14.5	15.5	19.7
66	14.7	15.6	13.0	12.7	12.3	17.4
96	13.9	---	---	11.1	---	4.8
97	---	---	---	12.1	---	7.8
98	22.2	---	---	17.5	---	22.1

TABLE AII. 120

MEAN DAILY URINARY 17-KETOSTEROIDS: FLIGHT 4
(mg/day)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
68	7.1	8.7	6.5	---	---	8.0
69	9.3	9.9	5.8	4.8	5.7	11.7
70	7.5	8.5	5.3	4.7	5.4	8.1
71	9.3	10.9	5.7	6.0	6.9	10.7
72	7.4	6.3	5.3	4.5	5.3	8.4
73	14.2	12.9	12.6	9.7	6.6	13.7
74	7.4	7.5	5.8	5.0	6.3	7.8
75	9.0	10.6	8.4	5.9	6.0	9.5
76	5.8	6.2	5.3	4.6	4.5	6.2
77	5.6	7.4	4.0	4.2	3.5	5.3
78	6.7	6.2	5.3	5.9	6.0	8.4
79	10.4	9.3	7.3	6.3	7.0	10.3
80	8.8	7.8	5.7	3.9	5.1	8.1
81	13.4	11.2	9.3	8.0	4.7	11.1
82	8.9	11.7	11.3	6.6	9.8	10.4
83	9.2	10.4	7.3	6.6	6.6	9.6
84	8.2	9.7	9.5	8.0	7.5	10.4
85	8.2	8.5	9.3	8.7	8.2	11.8
86	7.2	8.2	6.3	7.6	6.6	6.0
87	9.8	8.5	7.6	7.4	7.9	8.4
88	13.1	12.3	14.4	14.0	12.1	13.5
99	---	---	---	12.3	---	13.4
100	5.8	---	---	11.6	---	7.8
101	9.2	---	---	9.7	---	10.1

TABLE AII. 121

MINUTE URINARY VOLUME: FLIGHT 1
(ml/min)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
1	----	1.16	----	----	----	4.31
2	3.86	1.40	0.71	0.56	1.26	2.00
3	----	1.34	0.51	2.11	1.41	4.10
4	3.91	2.19	0.59	----	----	4.68
5	----	2.04	0.37	0.42	2.55	4.59
6	2.83	0.75	0.29	0.22	1.71	1.76
7	1.02	1.38	0.42	0.93	1.99	1.91
8	0.56	----	----	0.28	2.39	1.33
9	0.75	0.63	1.46	1.93	3.41	3.57
10	----	3.84	3.91	2.45	0.99	3.08
11	0.97	0.79	1.11	1.01	1.53	1.35

TABLE AII. 121 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
12	1.68	1.17	1.86	0.75	0.78	2.58
13	3.98	1.13	1.54	0.51	1.49	2.05
14	2.42	1.39	1.21	1.03	3.58	2.81
15	3.49	1.44	1.86	1.22	2.89	2.05
16	----	0.86	----	3.72	1.46	2.99
17	2.26	1.86	0.35	0.37	1.72	4.46
18	----	0.24	0.31	0.59	3.15	1.56
19	2.42	1.03	3.63	2.07	2.94	2.85
20	----	1.26	1.14	3.14	4.59	3.61
21	2.01	1.28	3.18	0.71	2.85	1.33
22	3.99	1.16	4.82	3.43	6.96	3.66
90	0.70	1.65	0.80	0.86	0.81	2.93
91	1.59	1.87	0.85	1.05	1.40	1.50
92	0.68	0.72	0.83	0.73	0.83	0.68

TABLE AII. 122

MINUTE URINARY VOLUME: FLIGHT 2
(ml/min)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
23	3.79	2.56	0.50	0.47	0.83	----
24	2.06	0.74	0.36	0.30	3.47	1.47
25	0.83	----	0.33	0.37	0.61	2.35
26	0.78	1.70	0.60	0.54	0.83	1.30
27	----	2.58	0.35	0.31	2.04	1.82
28	2.83	3.04	0.44	0.37	1.30	0.78
29	0.36	----	0.08	0.40	0.96	1.03
30	0.74	1.65	0.28	0.23	1.64	0.83
31	0.90	1.95	0.64	0.60	1.54	1.54
32	1.00	0.66	0.86	0.84	1.66	1.56
33	0.90	0.69	0.75	1.01	2.29	3.09
34	1.50	0.81	0.80	0.83	2.45	1.80
35	0.84	1.02	0.35	0.43	0.78	1.04
36	0.26	1.03	0.26	0.30	0.83	1.58
37	0.94	0.94	0.53	0.68	1.20	1.62
38	1.38	1.19	1.01	0.99	1.72	1.75
39	1.38	0.97	0.48	0.50	2.29	1.02
40	0.97	1.04	0.48	0.43	1.43	0.94
41	1.86	2.34	1.07	0.83	1.84	2.96
42	0.64	----	0.59	0.58	1.32	1.62
43	0.78	0.65	0.83	0.63	0.86	0.91
44	0.52	0.63	1.00	0.75	0.90	0.72
93	----	2.66	2.27	0.90	1.05	0.62
94	----	0.43	0.60	2.24	0.55	0.60
95	----	1.83	1.85	3.09	0.83	0.68

TABLE AII. 123

MINUTE URINARY VOLUME: FLIGHT 3
(ml/min)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
45	3.40	0.86	2.38	4.25	2.07	1.89
46	2.96	0.75	0.62	0.85	2.30	1.47
47	1.23	1.83	0.29	----	----	1.93
49	2.12	1.16	0.25	0.86	2.00	1.46
50	2.40	1.70	0.71	0.64	3.54	1.00
51	----	2.41	0.36	0.69	2.24	0.50
52	0.86	0.75	1.03	0.55	2.50	1.55
53	1.68	0.90	1.14	0.97	2.18	1.46
54	0.78	1.11	1.29	1.03	2.16	1.22
55	2.02	2.85	2.68	1.28	1.15	1.00
56	1.94	2.00	3.00	2.46	1.56	0.73
57	1.46	2.32	0.62	1.54	2.65	1.55
58	----	1.75	----	1.41	1.01	0.75
59	----	----	0.92	1.71	7.20	----
60	----	2.13	1.74	----	----	1.99
61	----	----	0.92	2.50	1.45	4.79
48	----	3.13	1.75	1.20	1.65	4.13
62	----	1.42	0.57	1.87	0.87	1.24
63	----	1.56	0.73	2.69	0.31	2.49
64	----	3.59	0.86	1.09	0.80	1.27
65	----	1.95	0.82	1.27	1.66	4.78
66	0.63	----	0.71	0.68	1.50	1.54
96	0.87	1.25	0.49	4.03	0.91	----
97	----	0.50	0.77	1.61	0.79	0.58
98	0.68	0.79	1.23	2.24	1.27	1.52

TABLE AII. 124

MINUTE URINARY VOLUME: FLIGHT 4
(ml/min)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
68	----	2.22	0.67	----	----	1.40
69	0.70	1.00	0.58	0.78	2.41	1.68
70	0.83	0.50	0.34	0.36	1.07	0.72
71	0.79	0.58	0.34	0.28	1.32	1.06
72	0.82	0.92	0.33	0.25	2.39	2.75
73	1.05	1.17	0.25	0.36	2.23	1.09
74	0.53	1.99	0.22	0.37	1.26	1.06
75	0.33	0.56	0.48	0.56	1.40	0.93
76	0.50	0.54	0.66	0.53	2.16	1.70
77	1.06	1.62	1.25	0.95	4.50	1.54
78	2.28	1.31	0.91	0.96	2.34	1.83

TABLE AII. 124 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
79	1.07	2.16	0.57	0.54	1.76	1.30
80	0.56	0.54	0.44	0.64	2.34	1.01
81	0.72	1.00	0.48	0.50	2.52	1.05
82	1.03	2.57	0.48	0.62	4.77	2.36
83	----	2.02	0.31	1.30	3.14	3.37
84	----	0.63	0.30	0.34	2.11	0.73
85	2.16	0.48	0.53	0.51	1.61	1.94
86	0.58	1.13	0.69	0.50	1.95	1.26
87	1.12	----	0.82	0.70	2.75	1.64
88	3.44	----	0.71	0.60	4.02	3.08
99	1.36	0.78	0.49	3.06	0.49	0.80
100	----	----	3.02	4.39	0.52	----
101	0.37	0.56	1.01	4.15	0.64	0.94

TABLE AII. 125

MINUTE URINARY OSMOLAR EXCRETION: FLIGHT 1
(micro-osm/min)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
1	----	864	----	----	----	1270
2	892	896	506	487	1450	1358
3	----	871	379	622	1395	1980
4	716	646	462	----	----	1460
5	----	735	296	240	1535	1380
6	1055	615	229	151	1390	1420
7	660	630	279	249	1740	1550
8	565	----	----	208	1800	1470
9	814	471	704	520	1920	2280
10	----	1114	716	855	1290	1820
11	978	587	838	792	1450	1010
12	932	882	1895	816	601	1260
13	1390	930	720	419	1400	1540
14	1275	876	628	640	2200	1700
15	949	596	670	500	1580	1100
16	----	740	----	1320	1450	2233
17	608	649	376	348	1670	1315
18	----	251	347	448	1786	487
19	1340	556	798	857	1900	1850
20	----	582	907	1409	2030	1300
21	605	447	938	541	1240	867
22	1220	591	930	813	1530	1280
90	806	1100	600	626	499	1090
91	1790	1050	877	879	1200	1055
92	900	699	872	739	704	609

TABLE AII. 126

MINUTE URINARY OSMOLAR EXCRETION: FLIGHT 2
(micro-osm/min)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
23	1611	1160	538	455	804	----
24	1571	667	474	392	1568	1079
25	880	----	374	511	703	1970
26	948	1120	626	550	960	1450
27	----	1170	339	277	1250	940
28	1600	924	472	180	1100	712
29	484	----	81	231	1000	1130
30	654	660	232	213	1050	800
31	906	790	848	584	1550	1490
32	728	588	786	523	1190	1250
33	1150	740	822	1035	1490	1590
34	983	896	1110	890	1620	1590
35	855	771	441	460	830	980
36	234	1320	344	291	1050	1360
37	810	1020	681	649	1250	690
38	926	792	664	612	1160	942
39	661	439	391	358	1110	395
40	698	789	536	462	1230	765
41	1080	1310	836	639	1010	1270
42	711	----	709	634	816	1010
43	708	686	1050	785	760	733
44	638	688	1167	985	967	764
93	----	614	828	745	736	575
94	----	407	656	1280	540	562
95	----	706	845	912	634	491

TABLE AII. 127

MINUTE URINARY OSMOLAR EXCRETION: FLIGHT 3
(micro-osm/min)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
45	1460	858	728	446	1780	1320
46	1080	650	588	356	1690	942
47	929	908	302	----	----	1510
49	1120	833	215	214	1710	1110
50	1010	884	258	177	3034	1009
51	----	545	262	217	1090	410
52	860	577	227	215	1155	940
53	1820	748	956	772	1990	1270
54	1121	810	837	781	1335	893
55	1010	368	1729	866	1200	964
56	1170	780	966	885	1430	706

TABLE AII. 127 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
57	1510	1035	458	641	2100	1550
58	----	738	----	405	1000	854
59	----	----	573	477	2430	----
60	----	1040	----	----	----	1135
61	----	----	473	578	551	1300
48	----	1060	479	407	1725	1620
62	----	846	437	462	917	1160
63	----	924	578	896	250	937
64	----	1390	668	846	347	1070
65	----	944	796	803	1740	1410
66	605	----	699	708	1280	1330
96	796	412	545	917	814	----
97	----	457	794	808	693	566
98	612	903	870	1025	616	783

TABLE AII. 128

MINUTE URINARY OSMOLAR EXCRETION: FLIGHT 4
(micro-osm/min)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
68	----	1340	594	----	----	1435
69	591	792	598	324	1865	1180
70	892	602	420	292	1150	795
71	777	440	296	224	1120	848
72	745	621	320	221	1590	776
73	695	710	154	175	1440	755
74	525	1046	199	174	1260	1030
75	312	538	615	695	876	902
76	568	443	841	676	1450	900
77	843	717	1250	990	1910	860
78	711	964	1115	1180	1190	827
79	736	523	539	476	1670	887
80	707	592	494	532	1395	874
81	624	760	534	557	1680	848
82	922	1450	526	678	1740	838
83	----	695	420	496	1520	850
84	----	470	331	384	1475	600
85	680	426	668	668	657	772
86	461	520	766	598	994	576
87	1030	----	1020	948	1155	846
88	1940	----	885	778	1100	730
99	1410	607	462	624	506	497
100	----	----	1460	1040	500	----
101	246	336	671	714	385	473

TABLE AII. 129

MINUTE URINARY CREATININE EXCRETION: FLIGHT 1
(mg/min)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
1	1.34	1.04	----	----	----	1.08
2	1.43	1.08	0.88	0.90	1.67	1.02
3	1.34	1.11	1.02	2.02	1.10	1.68
4	1.25	1.09	0.98	----	----	1.17
5	1.34	0.90	1.02	1.13	1.20	1.15
6	1.34	0.64	0.92	0.83	0.96	0.90
7	1.00	0.82	1.23	1.21	1.19	1.17
8	0.94	0.93	----	1.36	1.05	1.03
9	2.21	0.74	0.95	0.83	1.09	1.21
10	1.65	1.54	1.09	1.37	1.14	1.05
11	1.45	0.98	1.86	1.59	1.32	0.56
12	1.30	1.32	4.00	1.88	1.40	1.39
13	1.63	1.31	1.46	0.92	1.25	1.23
14	1.31	1.22	1.45	1.30	1.29	1.63
15	1.61	0.78	1.08	1.10	1.27	1.19
16	1.34	0.91	----	1.64	0.98	1.88
17	1.04	0.93	1.02	0.93	1.08	1.29
18	1.34	0.52	0.80	1.01	1.13	0.42
19	1.50	0.74	1.60	1.64	1.47	1.43
20	1.34	0.70	1.47	1.88	1.28	1.08
21	0.57	0.60	1.30	1.42	1.25	0.56
22	1.28	0.64	1.54	1.72	1.74	1.32
90	1.36	1.45	1.09	1.29	1.07	1.23
91	2.86	1.27	1.27	1.31	1.62	1.33
92	1.18	0.95	1.09	1.31	1.14	1.29

TABLE AII. 130

MINUTE URINARY CREATININE EXCRETION: FLIGHT 2
(mg/min)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
23	1.21	1.33	1.05	1.15	1.36	1.53
24	1.57	1.22	1.04	1.20	1.42	1.09
25	1.46	1.41	1.04	1.73	1.27	1.53
26	1.79	1.95	1.40	1.26	1.53	1.46
27	1.49	1.50	1.06	1.20	1.22	1.27
28	2.32	2.49	2.01	1.79	1.29	1.39
29	1.30	1.41	0.72	1.33	1.34	1.40
30	1.34	1.19	1.14	1.27	1.26	1.36
31	1.50	1.24	1.60	1.51	1.37	1.47
32	1.20	1.27	1.81	1.45	1.25	1.62
33	2.82	1.11	1.80	1.30	1.14	0.99

TABLE AII. 130 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
34	1.65	1.34	2.06	2.04	1.59	1.17
35	1.44	1.22	0.94	0.95	1.47	1.47
36	0.80	1.77	0.58	0.74	1.30	1.41
37	1.61	1.30	1.35	1.24	1.86	1.09
38	1.61	1.55	1.40	1.29	1.36	1.34
39	1.46	0.64	1.08	1.05	1.33	1.10
40	1.62	1.52	1.52	1.20	1.56	1.43
41	1.48	1.36	1.71	1.35	1.20	1.48
42	1.34	1.41	1.46	1.27	1.31	1.54
43	1.29	1.56	1.59	1.64	1.31	1.23
44	1.62	1.30	2.08	1.64	1.86	1.85
93	1.78	1.09	1.23	1.08	0.99	1.49
94	1.78	1.37	1.20	1.34	0.99	1.57
95	1.78	1.34	1.20	1.45	1.20	1.17

TABLE AII. 131

MINUTE URINARY CREATININE EXCRETION: FLIGHT 3
(mg/min)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
45	1.70	1.55	1.29	1.55	1.45	1.23
46	1.30	1.10	1.01	0.99	1.33	1.12
47	1.37	1.26	1.04	----	----	1.74
49	1.23	1.28	1.08	1.02	1.58	1.04
50	1.39	1.29	1.16	1.11	2.90	1.19
51	1.43	0.99	1.52	1.56	1.37	0.54
52	1.24	1.07	1.03	1.23	1.30	1.15
53	1.73	1.39	1.61	1.56	1.64	1.33
54	1.76	1.44	1.78	1.71	1.36	1.15
55	1.17	0.76	3.43	1.98	1.39	1.13
56	1.28	1.22	1.74	1.84	1.65	1.12
57	1.46	1.35	1.24	1.62	1.54	1.39
58	1.43	1.03	----	0.75	1.11	1.19
59	1.43	1.25	1.50	0.86	1.44	1.89
60	1.43	1.25	1.01	----	----	1.29
61	1.43	1.25	1.32	1.32	0.58	1.44
48	1.43	0.78	1.14	1.04	1.58	1.42
62	1.43	0.85	0.91	0.94	1.09	1.10
63	1.43	1.33	1.69	1.64	0.38	1.52
64	1.43	1.80	2.00	1.72	0.46	1.53
65	1.43	1.33	1.56	1.41	1.54	1.53
66	1.51	1.92	1.54	1.82	1.36	1.47
96	1.31	0.87	1.10	1.65	1.33	----
97	1.78	1.07	1.23	1.43	1.14	1.18
98	1.28	1.26	1.28	1.68	1.03	1.00

TABLE AII. 132

MINUTE URINARY CREATININE EXCRETION: FLIGHT 4
(mg/min)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
69	1.44	1.80	1.16	0.88	1.69	1.08
70	1.41	1.18	0.99	1.31	1.26	1.02
71	1.37	0.88	1.13	1.27	1.21	0.99
72	1.47	1.14	1.16	1.09	1.48	1.11
73	1.48	1.24	1.06	1.34	1.56	1.04
74	1.02	1.55	1.02	1.54	1.66	1.44
75	1.00	1.32	1.33	1.57	1.26	1.16
76	1.44	0.82	1.69	1.47	1.40	1.17
77	1.51	1.15	2.29	2.00	1.44	1.11
78	1.05	1.31	2.09	2.11	1.17	1.02
79	1.14	0.88	1.35	1.15	1.48	1.16
80	1.62	1.31	1.14	1.27	1.85	1.27
81	1.64	1.32	1.27	1.49	1.54	1.24
82	1.43	1.70	1.17	1.45	1.53	1.18
83	1.37	1.23	1.15	1.44	1.92	1.38
84	1.32	1.07	0.99	1.19	1.58	1.04
85	1.64	1.11	1.94	1.69	1.51	1.26
86	1.16	0.96	1.33	1.38	1.23	1.04
87	1.26	1.28	1.76	2.00	1.38	1.15
88	1.72	2.55	1.85	1.80	1.77	1.36
99	3.19	1.08	----	1.44	1.27	1.11
100	1.78	1.12	1.88	1.40	1.31	----
101	1.26	0.60	1.14	1.33	1.15	0.92

TABLE AII. 133

MINUTE URINARY CREATINE EXCRETION: FLIGHT 1
(mg/min)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
1	0.14	0.12	----	----	----	1.25
2	0.04	0.11	0.48	0.22	0.69	0.80
3	0.14	0.09	0.26	0.00	0.75	0.90
4	0.27	0.04	0.20	----	----	0.61
5	0.14	0.14	0.44	0.34	0.89	1.15
6	0.14	0.22	0.60	0.42	0.39	0.48
7	0.09	0.21	0.40	0.28	0.42	0.97
8	0.49	0.14	----	0.56	0.93	0.53
9	0.22	0.19	0.50	0.93	1.02	0.96
10	0.20	0.23	0.51	1.08	0.39	0.83
11	0.14	0.20	0.86	0.27	0.28	0.56
12	0.00	0.28	0.99	0.45	0.07	0.72
13	0.00	0.21	0.03	0.30	0.28	0.57

TABLE AII. 133 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
14	0.00	0.11	0.22	0.39	0.57	0.48
15	0.00	0.00	0.22	0.51	0.92	0.35
16	0.14	0.14	----	0.37	0.54	0.81
17	0.27	0.41	0.04	0.25	0.57	0.98
18	0.14	0.01	0.33	0.35	0.40	0.11
19	0.31	0.05	0.65	0.43	0.41	0.91
20	0.14	0.10	0.48	0.78	0.60	0.36
21	0.00	0.00	0.51	0.92	0.54	0.30
22	0.00	0.00	0.39	0.82	0.70	0.81
90	0.18	0.28	0.68	0.62	0.03	0.73
91	0.13	0.13	0.29	0.44	0.00	0.30
92	0.00	0.00	0.25	0.34	0.16	0.08

TABLE AII. 134

MINUTE URINARY CREATINE EXCRETION: FLIGHT 2
(mg/min)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
23	0.00	0.23	0.46	0.37	0.41	0.61
24	0.00	0.23	0.65	0.30	0.35	0.52
25	0.00	0.18	0.03	0.30	0.26	0.78
26	0.00	0.58	0.56	0.00	0.26	0.25
27	1.31	0.31	0.08	0.00	0.43	0.00
28	0.00	0.00	0.43	0.31	0.38	0.14
29	0.00	0.18	0.04	0.31	0.11	0.04
30	0.28	0.15	0.15	0.00	0.00	0.14
31	0.09	0.09	0.17	0.70	0.14	0.04
32	0.49	0.11	0.21	0.30	0.27	0.11
33	0.38	0.13	0.65	0.71	0.27	0.00
34	0.21	0.28	0.38	0.38	0.37	0.00
35	0.09	0.11	0.12	0.16	0.00	0.04
36	0.31	0.13	0.17	0.07	0.26	0.11
37	0.08	0.00	0.29	0.10	0.40	0.00
38	0.00	0.00	0.11	0.12	0.29	0.23
39	0.00	0.00	0.25	0.35	0.39	0.04
40	0.00	0.00	0.23	0.28	0.47	0.00
41	0.00	0.21	0.31	0.11	0.15	0.27
42	0.08	0.18	0.35	0.24	0.61	0.26
43	0.00	0.42	0.51	0.16	0.53	0.15
44	0.00	0.52	0.72	0.44	0.54	0.28
93	0.17	0.05	0.50	0.13	0.32	0.00
94	0.17	0.00	0.41	0.63	0.75	0.00
95	0.17	0.37	0.52	0.28	0.92	0.13

TABLE AII. 138

URINARY TITRABLE ACIDITY: FLIGHT 2
(micro-Eq/min)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
23	0.0	0.0	22.6	6.5	10.6	----
24	0.0	17.3	20.3	31.4	2.3	24.7
25	0.0	----	6.8	16.3	8.0	18.2
26	9.7	33.8	23.3	27.8	3.8	26.0
27	----	0.0	17.6	1.9	1.8	2.1
28	7.1	34.1	19.0	2.8	11.5	2.1
29	10.7	----	4.1	0.0	19.5	18.8
30	0.0	0.0	2.3	0.0	6.7	20.2
31	0.0	21.2	22.8	22.2	0.0	29.5
32	0.0	17.9	31.8	26.5	0.0	30.2
33	17.0	20.6	20.6	28.3	14.0	45.6
34	6.4	15.8	31.0	27.1	0.0	11.0
35	0.0	0.0	17.1	5.6	5.8	8.3
36	8.3	34.5	15.6	9.8	2.4	31.1
37	0.0	4.4	0.0	0.0	10.5	14.3
38	11.8	11.5	12.3	7.4	2.9	18.8
39	19.7	6.6	16.0	9.4	7.4	3.9
40	4.6	3.6	21.2	2.6	2.7	8.2
41	0.0	0.0	29.0	18.6	1.9	16.6
42	0.0	----	14.1	17.7	0.0	0.0
43	0.0	15.9	27.8	6.6	10.7	15.9
44	11.4	8.6	8.8	6.9	10.9	18.3
93	----	3.9	1.6	19.3	21.3	17.7
94	----	11.3	15.1	4.0	16.6	18.4
95	----	0.0	10.8	13.0	15.8	2.5

TABLE AII. 139

URINARY TITRABLE ACIDITY: FLIGHT 3
(micro-Eq/min)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
45	22.5	18.8	26.6	9.5	9.5	0.0
46	1.5	14.0	19.5	8.2	3.9	1.5
47	4.1	0.6	13.6	----	----	3.9
49	0.0	9.4	1.1	0.0	0.0	24.8
50	8.7	7.6	0.0	0.0	10.0	11.9
51	----	20.8	0.0	0.0	8.4	9.5
52	0.0	3.6	0.0	0.0	0.0	14.0
53	6.4	8.2	19.4	20.6	7.3	23.4
54	22.1	0.0	24.2	16.6	0.0	17.8
55	0.0	6.1	32.9	24.0	5.4	23.0
56	4.9	14.5	18.1	26.3	13.0	32.1

TABLE AII. 139 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
57	0.0	1.0	11.5	7.3	0.7	22.2
58	----	6.3	----	3.5	0.0	23.4
59	----	----	4.8	0.0	0.0	----
60	----	2.3	21.4	----	7.9	23.0
61	----	----	10.0	0.0	2.7	22.0
48	----	8.4	7.8	2.2	15.9	7.4
62	----	0.0	0.0	0.0	1.6	16.2
63	----	1.7	5.8	1.6	0.0	0.0
64	----	16.4	0.7	8.5	0.0	33.2
65	----	5.0	16.2	13.0	0.0	18.5
66	7.6	----	4.8	9.7	1.4	24.7
96	16.3	3.0	9.2	0.0	1.4	----
97	----	12.2	3.4	0.0	8.3	8.8
98	19.7	16.5	12.2	0.0	4.5	9.7

TABLE AII. 140

URINARY TITRABLE ACIDITY: FLIGHT 4
(micro-Eq/min)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
68	----	3.5	10.6	----	----	30.2
69	2.4	13.3	17.0	9.3	14.4	25.8
70	12.4	15.3	11.3	7.6	14.4	22.4
71	11.1	4.4	0.0	0.0	0.0	20.0
72	14.9	8.7	3.8	7.0	3.4	16.2
73	0.4	0.0	0.0	0.0	1.7	17.8
74	3.7	20.3	0.0	0.0	16.1	25.9
75	9.7	10.7	17.8	22.4	2.6	28.1
76	11.3	8.9	28.7	21.2	4.0	21.6
77	4.6	8.6	31.8	23.7	0.7	19.5
78	0.0	14.5	35.6	30.7	0.0	21.3
79	7.3	3.6	17.8	10.1	0.0	16.2
80	0.0	0.0	7.3	3.2	1.3	0.0
81	11.8	8.4	5.2	0.0	0.0	17.1
82	4.8	0.0	10.1	0.0	2.4	9.8
83	----	11.5	3.5	0.0	0.0	10.8
84	----	8.0	5.5	0.0	0.0	7.8
85	9.6	9.1	13.4	14.0	0.8	15.0
86	13.2	3.6	16.1	16.9	4.5	9.2
87	0.0	----	11.2	0.0	0.0	18.2
88	1.9	----	21.9	1.6	4.7	14.2
99	40.2	21.6	27.0	4.6	3.6	1.3
100	----	----	13.6	4.4	0.0	----
101	8.4	7.2	0.0	0.0	7.2	2.3

TABLE AII. 141

URINARY pH: FLIGHT 1

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
1	----	5.34	----	----	----	5.73
2	6.92	5.71	6.78	7.10	6.30	5.52
3	----	5.55	5.85	7.05	6.50	5.31
4	6.38	7.00	6.30	----	----	5.57
5	----	6.70	6.95	6.50	7.10	5.56
6	7.18	5.98	6.93	6.30	6.55	5.75
7	6.42	5.40	8.10	7.65	7.10	5.42
8	6.85	----	----	8.20	7.25	5.78
9	5.50	6.30	5.80	5.70	6.95	5.62
10	----	5.50	6.40	5.90	7.75	5.15
11	6.32	5.75	6.05	5.15	5.95	5.25
12	5.49	5.33	6.20	5.20	7.35	5.65
13	7.01	6.09	6.58	6.20	7.45	5.50
14	7.00	6.01	6.65	6.00	7.45	7.80
15	7.05	6.50	6.42	8.65	7.05	5.90
16	----	5.49	----	6.45	5.60	5.05
17	6.65	5.90	6.60	6.55	6.98	6.18
18	----	5.18	6.40	6.95	7.31	5.75
19	6.46	5.59	6.69	6.20	7.12	5.10
20	----	6.68	6.23	8.10	6.90	5.70
21	5.94	5.51	6.30	5.52	7.15	5.60
22	6.24	5.70	6.64	5.35	5.80	5.35
90	6.17	5.68	6.30	6.20	6.90	6.50
91	7.25	6.82	6.50	6.25	7.80	6.50
92	5.95	5.65	6.42	5.68	6.25	6.00

TABLE AII. 142

URINARY pH: FLIGHT 2

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
23	7.15	7.40	6.23	6.30	5.30	----
24	7.17	5.45	6.12	5.40	6.29	5.60
25	7.81	----	7.00	6.20	5.50	6.25
26	6.09	5.95	6.08	5.75	6.69	5.75
27	----	7.10	6.25	6.88	6.50	6.85
28	6.28	5.51	6.35	6.60	5.82	6.45
29	5.78	----	6.42	7.13	5.15	5.50
30	7.13	7.58	8.20	7.75	6.00	5.15
31	7.31	6.35	6.32	5.75	6.99	5.55
32	7.07	5.75	5.68	5.10	7.65	5.15
33	5.86	5.35	6.25	5.40	5.85	5.03

TABLE AII. 142 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
34	6.23	6.12	6.00	5.50	7.20	6.40
35	7.79	7.00	6.30	6.45	5.70	6.20
36	6.10	5.75	5.78	5.80	5.90	5.54
37	7.29	6.62	7.92	8.15	5.65	5.40
38	6.29	6.10	6.50	6.15	6.50	5.90
39	5.61	6.12	5.50	5.50	6.40	6.75
40	6.62	6.75	6.15	6.80	6.20	6.10
41	6.88	7.02	5.50	5.40	6.70	5.57
42	7.35	----	6.45	5.75	7.50	7.10
43	6.92	5.45	6.15	6.65	5.15	5.40
44	6.08	6.15	6.80	6.55	5.50	4.95
93	----	6.55	7.20	5.50	5.50	5.21
94	----	5.82	6.02	6.79	5.70	5.10
95	----	7.15	6.40	6.30	5.88	6.00

TABLE AII. 143

URINARY pH: FLIGHT 3

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
45	5.40	5.65	5.78	6.50	6.09	7.15
46	6.93	6.68	6.16	6.38	6.65	6.90
47	6.69	7.05	6.19	----	----	6.80
49	7.00	6.35	7.25	7.20	7.29	5.90
50	6.45	6.43	7.35	7.49	6.47	6.20
51	----	6.80	7.50	8.20	6.35	5.50
52	8.00	6.84	8.43	7.60	7.35	6.22
53	6.40	6.32	6.32	5.85	6.52	5.72
54	5.90	7.20	6.18	5.80	7.50	6.20
55	7.00	6.40	6.30	5.65	6.40	5.40
56	6.30	6.25	6.30	5.60	5.95	5.20
57	7.80	6.90	6.45	6.50	6.90	5.85
58	----	6.45	----	6.70	7.30	5.70
59	----	----	7.10	7.70	7.20	----
60	----	6.72	6.68	----	6.35	5.58
61	----	----	6.45	7.49	6.85	5.50
48	----	6.28	7.10	7.00	6.19	6.85
62	----	7.30	7.90	7.52	7.70	6.10
63	----	6.82	6.75	7.08	7.68	7.10
64	----	6.95	7.35	6.30	7.10	5.35
65	----	6.29	5.85	6.20	7.10	6.20
66	6.10	----	6.55	6.63	6.80	5.60
96	5.25	6.38	6.10	7.40	6.80	----
97	----	5.05	6.25	8.80	6.25	6.10
98	5.25	5.29	5.70	7.10	6.55	5.95

TABLE AII. 144

URINARY pH: FLIGHT 4

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
68	----	6.60	6.12	----	----	5.85
69	6.80	5.90	5.77	6.15	6.38	5.65
70	5.58	5.40	5.68	6.05	5.74	5.75
71	6.00	6.55	7.89	7.40	7.10	6.00
72	5.80	5.70	6.35	5.78	6.60	5.52
73	7.00	7.05	7.55	7.30	6.80	5.58
74	6.80	5.80	7.32	7.60	5.90	5.50
75	5.70	5.62	5.50	5.65	6.76	5.38
76	5.69	5.75	5.55	5.80	6.70	5.60
77	6.56	6.00	5.40	5.85	6.65	5.75
78	7.01	5.90	5.25	5.40	7.15	5.40
79	6.25	6.60	5.70	6.10	6.90	5.79
80	7.25	7.15	6.25	6.60	7.10	7.00
81	6.14	6.40	6.25	7.45	7.30	5.50
82	6.80	7.08	6.40	7.80	6.79	6.38
83	----	5.90	6.90	7.20	6.95	5.98
84	----	5.95	6.65	8.00	7.20	6.25
85	6.25	5.92	5.85	5.80	6.65	5.89
86	6.18	6.52	5.85	6.10	6.65	5.90
87	7.35	----	6.35	7.65	7.20	5.60
88	7.05	----	5.55	7.13	6.60	6.78
99	5.50	5.00	5.15	6.61	6.55	6.70
100	----	----	6.45	6.80	7.40	----
101	5.70	5.50	8.10	8.15	6.20	6.68

TABLE AII. 145

URINARY AMMONIA NITROGEN: FLIGHT 1
(mg/min)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
1	----	0.66	----	----	----	1.06
2	1.00	0.83	0.40	0.53	1.47	1.42
3	----	0.43	0.35	0.57	0.64	1.54
4	1.39	0.74	0.76	----	----	1.49
5	----	0.66	0.26	0.59	0.96	2.59
6	1.60	0.41	0.27	0.28	0.76	1.71
7	0.77	0.61	0.17	0.50	1.51	1.71
8	0.53	----	----	0.27	1.05	1.63
9	1.22	0.44	1.26	1.04	1.91	2.78
10	----	1.08	0.86	1.34	0.83	2.40
11	0.97	0.95	0.79	0.89	1.00	2.05
12	1.58	1.35	2.63	1.70	0.57	2.02

TABLE AII. 145 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
13	1.52	0.87	0.86	0.65	1.66	1.82
14	1.21	0.55	0.40	0.62	0.88	1.58
15	1.24	0.52	0.35	0.60	0.68	0.78
16	----	0.62	----	1.22	0.79	2.19
17	1.20	0.57	0.40	0.51	0.98	1.90
18	----	0.26	0.30	0.81	1.45	0.72
19	1.36	0.62	0.59	1.09	1.44	1.80
20	----	0.73	0.59	1.09	1.22	1.15
21	0.65	0.63	0.54	0.86	0.82	1.55
22	1.52	0.20	0.56	0.96	1.57	1.60
90	0.83	1.07	0.60	1.39	0.50	1.51
91	0.87	0.76	0.72	0.60	0.70	0.97
92	0.83	0.63	0.52	1.75	0.65	0.86

TABLE AII. 146

URINARY AMMONIA NITROGEN: FLIGHT 2
(mg/min)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
23	0.97	0.62	1.09	1.02	0.99	----
24	0.99	0.55	0.90	1.02	1.15	1.59
25	0.48	----	0.49	1.18	0.79	2.15
26	0.70	0.74	0.66	2.20	0.72	2.44
27	----	0.50	0.32	0.90	0.79	1.62
28	1.89	1.42	0.55	0.39	0.79	0.95
29	1.13	----	0.15	0.20	0.75	1.29
30	0.49	0.32	0.26	0.51	0.78	0.99
31	0.56	1.22	0.94	1.13	0.78	1.27
32	0.37	0.37	0.69	1.05	1.19	1.86
33	0.72	0.64	0.88	1.54	0.82	2.14
34	0.64	0.54	1.28	1.60	0.90	3.11
35	0.37	0.72	0.82	0.52	0.48	2.11
36	0.26	0.99	0.59	0.48	0.68	1.55
37	0.68	0.69	0.59	0.51	0.70	1.69
38	0.55	1.57	0.37	1.21	0.59	1.27
39	0.49	0.73	0.40	0.73	0.50	0.41
40	0.49	0.68	0.80	0.33	0.70	0.79
41	0.53	0.62	1.02	0.25	0.58	1.19
42	0.67	----	0.51	0.85	0.45	1.06
43	0.51	0.83	0.84	0.16	0.46	0.97
44	0.82	0.83	0.86	0.99	0.69	1.71
93	----	0.72	0.76	1.23	0.70	0.91
94	----	0.49	0.81	1.02	0.58	0.94
95	----	0.53	0.78	0.88	0.65	0.50

TABLE AII. 147

URINARY AMMONIA NITROGEN: FLIGHT 3
(mg/min)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
45	0.96	0.56	1.45	1.29	1.02	1.38
46	1.01	0.46	1.63	1.12	0.87	1.02
47	0.74	0.71	0.51	----	----	2.12
49	0.65	0.56	0.37	1.02	1.28	0.96
50	0.65	0.65	0.24	0.46	1.63	2.19
51	----	0.29	0.32	0.24	0.46	1.55
52	0.34	0.56	0.22	0.83	0.65	2.42
53	0.85	1.17	1.19	1.21	0.91	1.66
54	0.90	0.82	0.98	2.35	0.65	1.77
55	0.85	0.53	2.55	2.52	0.88	1.25
56	0.48	0.72	0.90	3.44	0.93	0.90
57	0.63	0.84	0.50	2.48	1.03	3.63
58	----	0.71	----	1.57	0.62	2.06
59	0.74	0.64	0.42	1.31	1.25	----
60	0.74	0.50	0.84	----	----	1.27
61	0.74	0.64	0.34	1.59	0.32	2.84
48	0.74	0.74	0.50	0.53	1.29	3.76
62	0.74	0.42	0.19	1.16	0.49	2.35
63	0.74	0.58	0.38	0.62	0.26	1.55
64	0.74	0.72	0.46	0.53	0.19	1.59
65	0.74	0.66	0.63	1.53	0.67	2.20
66	0.78	0.64	0.51	1.43	0.62	1.35
96	0.60	0.50	0.37	1.05	0.64	----
97	----	0.89	1.14	0.78	0.48	0.59
98	0.78	1.20	1.09	0.82	0.48	1.00

TABLE AII. 148

URINARY AMMONIA NITROGEN: FLIGHT 4
(mg/min)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
68	----	1.37	0.49	----	----	1.41
69	0.83	0.60	0.76	0.77	1.30	0.96
70	0.71	0.68	0.75	0.64	0.75	0.72
71	0.57	0.26	0.17	0.48	0.69	1.08
72	0.45	0.47	0.33	0.43	1.11	1.72
73	0.77	0.58	0.25	0.40	0.93	1.54
74	0.31	0.78	0.22	0.45	0.88	1.03
75	0.36	0.57	0.60	0.82	0.50	0.90
76	0.53	0.60	0.89	0.92	1.25	0.77
77	0.27	0.73	1.12	1.62	2.02	2.35

TABLE AII. 148 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
78	0.48	0.61	1.57	1.26	0.90	2.80
79	0.41	0.50	0.72	0.56	1.13	1.55
80	0.38	0.43	0.63	0.63	0.88	0.76
81	0.66	0.59	0.44	0.45	0.78	0.87
82	0.72	0.79	0.49	0.46	1.59	1.23
83	----	0.64	0.46	0.60	0.98	2.06
84	0.55	0.48	0.42	0.35	1.18	2.32
85	0.62	0.56	0.56	0.46	1.11	2.33
86	0.37	0.62	0.59	0.48	1.13	1.86
87	0.54	0.62	0.82	0.62	1.12	0.95
88	0.92	0.62	0.72	0.48	0.79	2.61
99	1.00	0.45	0.84	0.64	0.38	1.49
100	----	----	0.97	1.30	0.41	----
101	0.27	0.21	1.13	1.48	0.46	1.32

TABLE AII. 149

ADDIS COUNT-RED BLOOD CELLS: FLIGHT 1
(thousands/2 hr)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
1	0	0	----	----	----	0
2	0	0	0	16.8	16.8	0
3	0	0	13.6	8.4	0	0
4	0	0	7.9	----	----	0
5	0	0	9.8	16.8	0	0
6	37.3	0	0	9.2	0	0
7	0	0	0	3.1	0	0
8	0	----	----	7.5	0	0
9	8.7	0	19.4	0	0	0
10	0	0	0	0	0	0
11	0	0	0	0	0	0
12	22.4	0	0	0	0	0
13	0	0	0	0	19.7	0
14	0	0	0	0	0	0
15	0	0	0	32.8	0	0
16	0	0	----	0	0	0
17	0	0	0	0	0	0
18	----	0	0	0	0	0
19	0	0	0	0	0	0
20	----	0	0	0	0	0
21	0	0	0	18.9	0	0
22	0	15.4	0	0	0	0
90	0	0	0	0	0	0
91	0	0	0	0	0	0
92	0	0	0	0	0	0

TABLE AII. 150

ADDIS COUNT-RED BLOOD CELLS: FLIGHT 2
(thousands/2 hr)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
23	0	0	0	70.0	0	0
24	0	0	19.2	25.0	0	0
25	0	29.0	0	25.4	0	0
26	10.2	0	16.0	0	0	0
27	----	0	4.7	26.6	0	0
28	0	0	5.9	44.4	0	19.3
29	0	0	66.3	16.4	0	0
30	0	0	0	15.3	0	0
31	0	0	0	8.1	0	0
32	0	0	0	0	0	0
33	0	0	0	0	0	0
34	0	0	0	0	0	0
35	0	0	0	5.7	0	0
36	3.5	27.2	0	14.4	0	0
37	12.4	12.4	0	0	0	0
38	0	0	0	0	0	0
39	0	----	0	0	0	0
40	0	0	0	0	0	0
41	0	0	0	0	0	0
42	0	----	0	11.7	0	0
43	0	0	0	0	0	0
44	0	0	0	0	0	0
93	0	0	0	0	0	0
94	0	0	0	0	0	0
95	0	0	0	0	0	0

TABLE AII. 151

ADDIS COUNT-RED BLOOD CELLS: FLIGHT 3
(thousands/2 hr)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
45	0	0	0	0	0	25.2
46	0	0	0	0	0	0
47	0	0	0	----	----	0
49	0	0	6.7	0	0	0
50	0	0	0	17.3	0	0
51	0	0	0	0	0	0
52	0	0	0	0	0	0
53	----	0	0	0	0	0
54	0	0	0	0	0	0
55	0	0	0	0	0	0
56	0	0	0	0	0	0

TABLE AII. 151 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
57	0	0	0	0	0	0
58	0	0	0	0	0	0
59	0	0	24.5	0	0	0
60	0	0	0	----	----	0
61	0	----	0	0	0	0
48	0	0	0	0	0	0
62	0	0	0	0	0	0
63	0	20.6	0	0	0	0
64	0	0	0	0	0	0
65	0	0	0	51.1	0	0
66	0	0	18.9	0	0	0
96	0	0	6.5	0	0	0
97	----	0	0	0	0	0
98	----	0	----	0	0	0

TABLE AII. 152

ADDIS COUNT-RED BLOOD CELLS: FLIGHT 4
(thousands/2 hr)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
68	0	0	8.9	----	0	0
69	0	0	7.7	0	0	0
70	0	0	9.0	14.8	0	0
71	0	----	0	7.4	0	0
72	0	12.4	8.8	13.8	0	0
73	0	0	0	0	0	14.5
74	0	0	2.9	0	0	0
75	0	7.1	0	0	0	0
76	0	0	0	0	0	0
77	0	0	0	0	0	0
78	0	0	0	11.6	0	0
79	0	0	0	0	0	0
80	0	0	0	0	0	0
81	0	0	0	13.3	0	0
82	0	0	12.8	41.3	0	0
83	0	26.9	0	0	0	0
84	0	0	0	0	0	0
85	0	0	0	6.8	0	0
86	0	0	0	0	0	0
87	0	0	0	18.9	0	0
88	0	0	0	0	0	0
99	0	0	0	0	0	0
100	----	0	0	0	0	----
101	0	7.4	0	0	0	0

TABLE AII. 153

ADDIS COUNT-CASTS: FLIGHT 1
(thousands/2 hr)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
1	0	0	----	----	----	0
2	0	0	0	7.6	0	0
3	0	0	25.0	0	0	0
4	0	0	0	----	----	0
5	0	0	0	0	0	0
6	0	0	0	3.1	0	0
7	0	0	0	0	0	0
8	0	----	----	0	0	0
9	0	0	0	0	0	0
10	0	0	0	0	0	0
11	0	0	0	0	0	0
12	0	0	0	0	0	0
13	0	0	0	0	0	0
14	0	0	0	0	0	0
15	0	0	0	0	0	0
16	0	0	----	0	0	0
17	0	0	0	0	0	0
18	----	0	0	0	0	0
19	0	0	0	0	0	0
20	----	0	0	0	0	0
21	0	0	0	0	0	0
22	0	0	0	0	0	0
90	0	0	0	0	0	0
91	0	0	0	0	0	0
92	0	0	0	0	0	0

TABLE AII. 154

ADDIS COUNT-CASTS: FLIGHT 2
(thousands/2 hr)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
23	0	0	0	12.8	0	0
24	0	0	19.2	3.7	0	0
25	0	0	0	30.4	0	0
26	0	0	0	0	0	0
27	----	0	0	12.4	0	0
28	0	0	0	14.8	0	0
29	0	0	0	0	0	0
30	0	0	0	6.0	0	0
31	0	0	0	0	0	0
32	0	0	0	0	0	0
33	0	9.2	0	0	0	0

TABLE AII. 154 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
34	0	0	0	0	0	0
35	0	0	0	0	0	0
36	0	0	0	0	11.0	0
37	0	0	0	0	0	0
38	0	0	0	0	0	0
39	0	----	0	0	0	0
40	0	0	0	0	0	0
41	0	0	0	5.9	0	0
42	0	----	0	0	0	0
43	0	0	0	8.5	0	0
44	0	0	0	0	0	0
93	0	0	0	0	0	0
94	0	0	0	0	7.3	0
95	0	0	0	0	0	0

TABLE AII. 155

ADDIS COUNT-CASTS: FLIGHT 3
(thousands/2 hr)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
45	0	0	0	0	0	0
46	0	0	0	0	0	0
47	0	0	0	----	----	0
49	0	0	6.7	0	0	0
50	0	0	0	0	0	0
51	0	0	0	0	0	0
52	0	0	0	0	0	0
53	----	0	0	0	0	19.5
54	0	0	0	0	0	0
55	0	0	0	0	0	0
56	0	0	0	0	0	0
57	0	0	0	0	0	0
58	0	0	0	0	0	0
59	0	0	0	0	0	0
60	0	0	0	----	----	0
61	0	----	0	0	0	0
48	0	0	0	0	0	0
62	0	0	0	0	0	0
63	0	0	0	0	0	0
64	0	0	0	0	0	0
65	0	0	0	0	0	0
66	0	0	0	0	0	0
96	0	0	0	0	0	0
97	----	0	0	0	0	0
98	----	0	----	0	0	0

TABLE AII. 156

ADDIS COUNT-CASTS: FLIGHT 4
(thousands/2 hr)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
68	0	0	0	----	0	0
69	0	0	0	0	0	0
70	0	0	0	4.9	14.2	0
71	0	----	0	3.7	0	0
72	0	0	4.4	3.5	0	0
73	0	0	0	0	0	0
74	0	0	0	0	0	0
75	0	0	0	0	0	0
76	0	0	0	0	0	0
77	0	0	0	0	0	0
78	0	0	0	0	0	0
79	0	0	0	7.2	0	0
80	0	0	0	0	0	0
81	0	0	0	0	0	0
82	0	0	0	0	0	0
83	0	0	0	0	0	0
84	0	0	0	9.3	0	0
85	0	0	0	0	0	0
86	0	0	0	0	0	0
87	0	0	0	0	0	0
88	0	0	0	0	0	0
99	108.7	0	0	0	0	0
100	----	0	0	0	0	----
101	0	0	0	0	0	0

TABLE AII. 157

ADDIS COUNT-EPITHELIAL CELLS: FLIGHT 1
(thousands/2 hr)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
1	0	0	----	----	----	0
2	0	0	28.4	16.8	33.8	26.5
3	0	0	13.6	8.4	18.8	0
4	0	0	15.7	----	----	0
5	0	0	4.9	28.0	70.6	0
6	37.3	0	3.9	0	68.5	46.8
7	0	0	22.4	4.1	26.4	25.5
8	7.5	----	----	22.4	0	0
9	17.3	17.8	19.4	0	45.5	0
10	0	10.1	52.1	0	11.9	82.0
11	0	0	0	13.6	40.6	36.0
12	0	15.6	24.6	0	20.8	0

TABLE AII. 157 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
13	10.6	15.0	20.5	207.8	99.0	54.0
14	32.0	37.1	32.2	179.7	95.4	262.0
15	0	63.0	24.6	16.4	0	0
16	0	0	----	0	0	39.8
17	0	0	9.3	24.6	82.3	0
18	----	0	8.2	23.6	0	0
19	0	0	0	27.7	78.3	0
20	----	0	0	44.3	0	0
21	0	0	0	28.5	75.9	0
22	0	0	0	45.6	92.7	0
90	9.2	0	10.6	104.4	0	0
91	0	0	0	14.0	0	0
92	9.2	0	0	19.5	11.0	18.1

TABLE AII. 158

ADDIS COUNT-EPITHELIAL CELLS: FLIGHT 2
(thousands/2 hr)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
23	0	0	13.3	32.0	0	81.4
24	12.6	9.8	14.4	29.0	0	19.5
25	0	29.0	13.2	45.6	24.4	31.3
26	92.4	113.2	40.0	11.2	22.1	0
27	----	34.2	4.7	99.4	33.8	0
28	0	40.5	5.9	133.2	0	20.7
29	4.7	10.1	44.2	21.8	12.6	27.4
30	9.8	22.0	6.4	9.2	109.2	0
31	0	0	8.5	0	0	41.0
32	0	0	0	34.0	243.0	0
33	14.8	18.4	0	40.8	122.0	41.1
34	20.0	21.6	0	33.2	163.1	23.7
35	14.8	40.8	42.0	258.0	93.6	41.5
36	0	13.6	0	47.9	55.3	0
37	12.4	25.0	0	56.3	32.0	0
38	0	15.7	0	26.4	93.2	0
39	0	----	0	34.0	275.0	27.2
40	0	0	19.2	192.0	57.1	37.5
41	0	31.2	28.5	52.8	0	0
42	0	----	15.1	11.7	158.4	0
43	0	0	11.0	51.1	34.4	0
44	0	0	40.0	20.2	24.0	38.3
93	14.6	0	0	24.3	70.0	8.2
94	14.6	0	0	0	14.6	0
95	49.7	24.2	0	0	11.0	9.0

TABLE AII. 159

ADDIS COUNT-EPITHELIAL CELLS: FLIGHT 3
(thousands/2 hr)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
45	0	0	95.1	56.7	27.5	50.5
46	0	0	16.5	102.0	61.2	19.6
47	0	0	7.7	----	----	51.5
49	0	15.4	6.7	47.3	0	58.0
50	0	0	9.4	43.3	0	26.7
51	63.5	32.0	0	6.9	0	13.3
52	11.4	9.8	0	198.0	99.9	62.0
53	----	0	0	25.8	58.1	39.0
54	10.4	0	0	28.7	115.1	16.2
55	0	0	0	34.4	15.3	0
56	0	0	0	130.1	83.1	19.5
57	0	0	14.0	61.5	0	41.0
58	5.2	0	36.1	37.8	40.4	9.0
59	0	81.8	24.5	0	0	0
60	0	0	23.2	----	----	26.4
61	0	----	12.2	66.6	0	0
48	0	0	46.6	48.4	43.9	0
62	0	0	0	75.1	0	16.5
63	3.7	20.6	9.7	0	4.0	0
64	0	47.8	0	29.3	0	34.0
65	0	0	0	51.1	0	0
66	0	0	18.9	408.0	0	0
96	0	0	6.5	0	24.2	0
97	----	0	0	21.6	21.0	0
98	----	10.5	----	0	0	21.0

TABLE AII. 160

ADDIS COUNT-EPITHELIAL CELLS: FLIGHT 4
(thousands/2 hr)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
68	0	0	17.8	----	0	0
69	0	0	23.2	52.6	0	0
70	0	5.9	13.6	44.4	14.2	0
71	10.4	----	22.6	33.6	35.1	0
72	0	12.4	8.8	31.2	0	0
73	0	46.4	6.7	88.8	59.4	48.0
74	0	0	2.9	15.2	16.8	0
75	0	7.1	12.8	22.8	0	62.0
76	13.3	0	0	28.4	0	22.5
77	0	0	0	12.8	0	0
78	30.4	0	0	23.1	0	24.4

TABLE AII. 160 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
79	0	0	22.8	108.0	46.8	34.6
80	7.4	14.4	0	78.0	62.3	27.0
81	19.2	0	6.4	20.0	33.5	0
82	0	0	12.8	33.0	63.5	0
83	0	26.9	124.0	34.6	41.8	0
84	30.4	0	12.0	420.0	28.1	29.2
85	0	0	7.1	61.2	21.4	26.0
86	7.7	0	0	13.6	0	0
87	0	0	21.8	28.4	36.6	43.5
88	0	0	0	366.0	0	0
99	0	0	0	0	19.5	0
100	----	0	0	0	27.7	----
101	4.9	0	0	55.3	17.0	0

TABLE AII. 161

ADDIS COUNT-WHITE BLOOD CELLS: FLIGHT 1
(thousands/2 hr)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
1	0	0	----	----	----	0
2	0	0	18.9	7.6	33.8	0
3	0	0	13.6	2.8	18.8	0
4	0	0	15.7	----	----	0
5	64.5	0	9.8	28.0	70.6	0
6	37.3	0	3.9	16.8	68.5	0
7	0	0	61.6	9.3	79.5	25.5
8	0	----	----	91.8	63.5	0
9	17.3	0	0	0	45.5	0
10	0	0	0	0	11.9	82.0
11	0	0	0	13.6	40.6	18.0
12	0	15.6	24.6	0	0	0
13	0	45.0	0	62.3	895.5	54.0
14	0	55.5	209.6	152.2	95.4	74.8
15	0	0	24.6	16.4	0	0
16	0	11.3	----	49.6	38.9	0
17	0	24.6	9.3	98.6	46.1	0
18	----	0	4.1	15.7	0	187.2
19	0	0	0	27.7	0	75.9
20	----	0	0	44.2	0	48.0
21	0	0	0	28.5	0	18.0
22	0	15.4	0	45.6	92.7	0
90	0	22.0	10.6	104.4	0	0
91	0	0	0	14.0	0	0
92	0	18.9	0	19.5	22.1	18.1

TABLE AII. 162

ADDIS COUNT-WHITE BLOOD CELLS: FLIGHT 2
(thousands/2 hr)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
23	0	0	13.3	32.0	0	0
24	0	0	9.6	25.0	0	19.5
25	0	0	4.4	25.4	219.6	93.0
26	0	22.6	16.0	11.2	199.2	0
27	----	34.2	4.7	74.5	33.8	0
28	0	0	5.9	222.0	0	41.5
29	0	10.1	44.2	16.4	12.6	0
30	0	22.0	6.4	9.2	0	0
31	0	0	8.5	16.2	0	0
32	0	8.8	0	56.6	796.8	0
33	0	82.8	10.0	40.8	122.0	0
34	40.0	21.6	0	498.0	652.6	23.7
35	100.8	13.6	107.3	400.0	1872.0	124.8
36	3.5	13.6	0	47.9	33.2	21.0
37	0	12.4	0	56.3	48.0	21.5
38	0	0	0	106.0	23.4	46.5
39	0	----	19.2	301.2	3620.0	40.8
40	0	0	89.6	480.0	1352.2	451.2
41	0	31.2	28.5	52.8	147.0	0
42	8.5	----	31.4	11.7	17.8	0
43	0	8.6	11.0	42.6	57.3	0
44	0	8.4	40.0	20.2	24.0	9.5
93	36.6	70.6	0	24.3	70.0	8.2
94	44.4	0	0	0	29.3	0
95	49.7	24.2	0	0	11.0	9.0

TABLE AII. 163

ADDIS COUNT-WHITE BLOOD CELLS: FLIGHT 3
(thousands/2 hr)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
45	0	11.4	95.1	56.7	0	50.5
46	0	20.0	16.5	204.0	0	0
47	0	0	7.7	----	----	77.0
49	0	15.4	6.7	103.2	0	97.2
50	0	0	9.4	234.0	0	0
51	0	0	0	17.3	0	26.7
52	34.4	9.8	13.7	198.0	66.6	62.0
53	----	0	15.2	25.8	58.1	39.0
54	31.2	14.6	0	28.7	0	16.2
55	0	0	0	0	15.3	26.7
56	0	0	0	65.5	0	39.0

TABLE AII. 163 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
57	0	0	14.0	20.5	0	20.6
58	0	0	36.1	37.8	0	9.0
59	0	81.8	24.5	113.9	0	0
60	0	0	23.2	----	----	26.4
61	0	----	12.2	66.6	0	0
48	0	0	46.6	31.2	0	55.0
62	0	0	0	75.1	0	16.5
63	0	0	9.7	0	0	0
64	0	0	0	0	0	17.0
65	0	0	0	51.1	0	63.0
66	0	0	18.9	2448.0	0	0
96	0	0	6.5	0	1092.0	0
97	----	0	0	21.6	21.0	0
98	----	10.5	----	0	0	80.0

TABLE AII. 164

ADDIS COUNT-WHITE BLOOD CELLS: FLIGHT 4
(thousands/2 hr)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
68	0	29.6	17.8	----	0	0
69	0	0	69.6	52.6	64.2	45.0
70	11.0	5.9	13.6	44.4	14.2	29.0
71	0	----	22.6	134.4	0	14.0
72	0	12.4	8.8	86.4	0	0
73	0	62.9	6.7	2220.0	503.1	16400.0
74	0	0	2.9	15.2	16.8	0
75	4.4	7.1	12.8	22.8	0	225.0
76	0	0	0	28.4	0	22.5
77	0	0	0	25.5	0	0
78	0	0	0	23.1	0	0
79	0	0	22.8	108.0	46.8	34.6
80	22.4	28.8	0	156.0	842.4	605.0
81	0	0	12.8	20.0	33.5	0
82	0	0	12.8	33.0	63.5	0
83	0	0	22.6	34.6	41.8	0
84	0	0	12.0	28.0	140.5	262.0
85	2.9	0	7.1	34.0	21.4	0
86	0	0	0	13.6	0	0
87	14.9	0	21.8	28.4	36.6	43.5
88	0	0	0	878.4	0	0
99	36.2	10.4	0	0	365.7	21.4
100	----	0	0	0	388.1	----
101	4.9	7.4	0	0	17.0	0

TABLE AII. 165

URINALYSIS - ALBUMINURIA: FLIGHT 1
(2-hr urinary specimens)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
1	0	0	-	-	-	0
2	0	0	0	0	tr	tr
3	0	0	0	0	tr	0
4	0	0	0	-	-	0
5	0	0	0	0	0	0
6	0	0	0	0	tr	tr
7	0	0	tr	0	0	tr
8	0	-	-	0	0	tr
9	0	0	0	+1	0	tr
10	0	0	0	0	0	0
11	0	0	0	tr	0	0
12	0	0	0	tr	0	0
13	0	0	0	+1	+1	tr
14	0	0	0	+1	+1	tr
15	0	0	0	+1	tr	tr
16	0	0	-	0	0	tr
17	0	0	0	+1	0	tr
18	-	0	0	+1	0	tr
19	0	0	0	tr	0	tr
20	-	0	0	0	0	tr
21	0	0	0	0	0	tr
22	0	0	0	0	tr	0
90	0	0	0	0	tr	tr
91	0	0	tr	0	0	tr
92	0	0	tr	+1	0	tr

TABLE AII. 166

URINALYSIS - ALBUMINURIA: FLIGHT 2
(2-hr urinary specimens)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
23	0	0	0	0	0	tr
24	0	0	0	+1	0	tr
25	0	0	0	tr	0	tr
26	0	0	0	+1	0	tr
27	0	0	tr	tr	tr	tr
28	0	0	0	+2	tr	0
29	0	0	0	+1	tr	tr
30	0	0	0	+1	+1	tr
31	0	0	0	0	tr	tr
32	0	0	0	0	+1	+1
33	0	0	0	tr	tr	tr

TABLE AII. 166 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
34	0	0	0	tr	+1	tr
35	0	0	0	tr	0	tr
36	0	0	0	tr	0	tr
37	0	0	0	0	0	tr
38	0	0	0	tr	0	tr
39	0	0	+1	+2	tr	+1
40	0	0	0	0	tr	tr
41	0	0	0	tr	tr	tr
42	0	-	0	tr	0	tr
43	0	0	tr	tr	tr	tr
44	0	0	tr	tr	0	tr
93	0	0	0	tr	0	0
94	0	0	0	+1	0	0
95	0	0	0	tr	0	tr

TABLE AII. 167

URINALYSIS - ALBUMINURIA: FLIGHT 3
(2-hr urinary specimens)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
45	0	0	0	+2	tr	tr
46	0	0	0	+1	tr	tr
47	0	0	0	-	-	0
49	0	0	0	+2	tr	0
50	0	0	0	+2	tr	0
51	0	0	0	+1	0	0
52	0	0	tr	+2	0	0
53	0	0	0	0	0	0
54	0	0	0	0	0	tr
55	0	0	0	0	0	0
56	0	0	0	tr	0	0
57	0	0	0	tr	0	0
58	0	0	0	tr	0	0
59	0	0	0	+1	0	0
60	0	0	0	-	-	0
61	0	-	0	+2	0	0
48	0	0	0	+2	tr	0
62	0	0	0	+1	0	0
63	0	0	0	+1	0	tr
64	0	0	0	tr	tr	0
65	0	0	0	0	0	0
66	0	0	0	tr	0	0
96	0	0	0	tr	0	0
97	-	0	-	tr	tr	0
98	0	0	+1	0	tr	0

TABLE AII. 168

URINALYSIS - ALBUMINURIA: FLIGHT 4
(2-hr urinary specimens)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
68	-	0	0	-	-	0
69	0	0	0	+1	0	0
70	0	0	0	+2	0	0
71	0	0	tr	+2	0	0
72	0	0	0	+2	0	0
73	0	0	0	+2	0	0
74	0	0	0	+2	0	0
75	0	0	0	0	0	0
76	tr	0	0	0	0	0
77	0	0	0	+1	0	0
78	0	0	0	+2	0	0
79	0	0	0	tr	0	0
80	0	0	tr	+1	0	0
81	0	0	0	tr	0	0
82	0	0	0	tr	tr	0
83	-	0	0	+1	0	0
84	0	0	0	+1	0	0
85	0	0	0	tr	0	0
86	0	0	0	+1	0	0
87	0	0	0	+1	0	0
88	0	0	0	tr	0	0
99	0	0	-	tr	0	0
100	-	0	0	+1	0	-
101	0	0	+1	tr	0	0

TABLE AII. 169

URINALYSIS - KETONURIA: FLIGHT 1
(2-hr urinary specimens)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
1	0	+3	-	-	-	0
2	0	tr	+4	+1	0	0
3	0	0	+4	+1	0	0
4	0	0	+4	-	-	0
5	0	tr	+1	0	0	0
6	0	0	+1	0	0	0
7	0	0	0	0	0	0
8	0	-	-	0	0	0
9	+2 - +3	+4	+4	+4	0	0
10	+1 - +2	+1	+4	+3	0	0
11	0	+1	+3	+3	0	0
12	tr	+4	+4	+3	tr	0

TABLE AII. 169 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
13	0	+1	+4	+4	0	0
14	0	+1	+4	+3	0	0
15	0	0	+4	+1	0	0
16	0	0	-	+3	0	0
17	0	0	+2	+1	0	0
18	-	tr	+2	tr	0	0
19	0	0	+1	tr	0	0
20	-	0	+2	tr	0	0
21	0	0	+1	0	0	0
22	0	0	tr	0	0	0
90	0	tr	0	0	0	0
91	0	0	0	tr	0	0
92	0	0	0	0	0	0

TABLE AII. 170

URINALYSIS - KETONURIA: FLIGHT 2
(2-hr urinary specimens)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
23	0	0	+4	+3	0	0
24	0	0	+4	+4	0	0
25	0	0	+4	+2	0	0
26	0	0	+4	+3	0	0
27	0	0	+1	+1	0	0
28	0	tr	+1	0	0	0
29	0	tr	0	0	0	0
30	0	0	0	0	0	0
31	0	0	+4	+2	0	0
32	tr	+3	+4	+3	0	0
33	0	+1	+4	+3	0	0
34	+1	tr	+4	+3	0	0
35	0	0	+3	tr	0	0
36	0	0	+3	+1	0	0
37	0	0	+4	+1	0	0
38	0	tr	+3	+2	0	0
39	0	0	+2	tr	0	0
40	0	0	+2	0	0	0
41	0	0	+2	0	0	0
42	+1	-	+2	0	0	0
43	0	0	tr	0	0	0
44	0	0	tr	0	0	0
93	+1 - +2	+1	0	tr	0	0
94	0	0	0	0	0	0
95	0	0	0	0	0	0

TABLE AII. 171

URINALYSIS - KETONURIA: FLIGHT 3
(2-hr urinary specimens)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
45	0	0	+4	+3	0	0
46	0	+1	+4	+4	0	0
47	0	0	+4	-	-	0
49	0	0	+1	0	0	0
50	0	0	0	0	0	0
51	0	tr	0	0	0	0
52	0	tr	0	0	0	0
53	0	0	+4	+4	0	0
54	0	0	+4	+4	0	0
55	0	0	+4	+3	0	0
56	0	0	+4	+4	0	0
57	0	tr	+4	+4	0	0
58	+1 - +2	0	+4	+4	0	0
59	+1	0	+3	+3	0	0
60	0	0	+4	-	-	0
61	0	-	+4	+2	0	0
48	0	0	+3	+1	0	0
62	0	0	+2	tr	0	0
63	+1	tr	+3	+1	0	0
64	0	0	+3	tr	0	0
65	tr	0	+1	0	0	0
66	tr - +1	+2	+1	0	0	0
96	0	tr	0	0	0	0
97	-	+4	-	0	0	0
98	0	+2	0	0	0	0

TABLE AII. 172

URINALYSIS - KETONURIA: FLIGHT 4
(2-hr urinary specimens)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
68	-	0	+4	-	-	0
69	0	+1	+4	+4	0	0
70	0	0	+4	+3	0	0
71	0	0	+2	+1	0	0
72	0	+2	+1	0	0	0
73	tr	+1	+1	0	0	0
74	+1	tr	0	0	0	0
75	0	0	+3	+2	0	0
76	0	0	+4	+3	0	0
77	0	0	+4	+3	0	0
78	0	0	+4	+4	0	0

TABLE AII. 172 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
79	0	0	+4	+4	0	0
80	+1	tr	+4	+4	0	0
81	+2	tr	+4	+2	0	0
82	0	0	+2	+1	0	0
83	-	tr	+1	+1	0	0
84	0	0	+1	tr	0	0
85	0	+1	+2	tr	0	0
86	tr	0	tr	0	0	0
87	tr	tr	0	0	0	0
88	0	+1	0	0	0	0
99	+1	tr	-	tr	0	0
100	-	0	+1	tr	0	-
101	tr - +1	0	tr	0	tr	0

TABLE AII. 173

URINALYSIS: GLUCOSE
(2-hr urinary specimens)

Period	Results
P I	All urinary specimens tested negative
P II	All urinary specimens tested negative
EXP I	All urinary specimens tested negative
EXP II	All urinary specimens tested negative
REC I	Subject 54, trace; subject 19, +1; all other urinary specimens tested negative
REC II	All urinary specimens tested negative

TABLE AII. 174

URINALYSIS - DAILY KETONURIA: FLIGHT 1*
(Diluted urine)

Subject Code No.	P II		EXP I					EXP II					REC I					
	M6	M7	M8	M9	M10	M11	M12	M13	M14	M15	M16	M17	M18	M19	M20	M21	M22	M23
1	0	0	+3	+3	-	tr	0	0	+2	0	0	0	0	0	-	0	0	0
2	0	0	tr	+3	+3	+4	+3	+4	+3	+1	+1	+1	tr	+1	-	0	0	0
3	0	0	tr	+2	+2	+2	+2	+2	+2	+2	+2	+2	+1	+1	-	0	0	0
4	0	0	+1	+3	+3	+3	+3	+4	+4	-	tr	tr	0	0	-	0	0	0
5	0	0	0	tr	tr	+1	+1	+2	+1	0	0	0	0	0	-	0	0	0
6	0	0	0	tr	0	tr	+1	+1	tr	0	0	0	0	0	-	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0
8	-	-	-	-	-	0	0	0	0	0	0	0	0	0	-	0	0	0
9	0	0	+2	+4	+4	+4	+4	+4	+3	+3	+4	+4	+4	+4	-	+4	+1	0
10	0	0	+2	+2	+4	+4	+4	+4	+4	+4	+4	+4	+3	+4	-	+3	0	0
11	0	0	tr	+3	+4	+3	+3	+4	+4	+4	+3	+3	+3	+3	-	+2	0	0
12	tr	0	+3	+4	+2	+4	+4	+4	+1	+4	+4	+4	+4	+4	-	+4	0	0
13	0	0	+2	+4	+4	+4	+4	+4	+4	+4	+4	+4	+4	+4	-	+4	+2	+2
14	0	0	tr	+2	+3	+3	+3	+4	+3	+3	+3	+3	+3	+3	-	+2	tr	0
15	0	0	0	+1	+2	+2	+2	+3	+1	+1	+3	+1	+1	+1	-	0	0	0
16	-	-	-	-	-	tr	+3	+3	0	+3	+1	tr	+3	+3	-	+4	tr	0
17	0	0	0	+1	+1	+1	+1	+2	+1	+1	+1	+1	+1	+1	-	+1	0	0
18	0	0	0	+1	tr	tr	+1	+1	+1	+1	+1	tr	+1	0	-	0	0	0
19	0	0	0	0	-	0	0	0	0	0	0	0	tr	0	-	0	0	0
20	0	0	0	tr	tr	+1	tr	+1	0	0	0	tr	0	tr	-	0	0	0
21	0	0	0	tr	0	0	0	+1	0	0	0	0	0	0	-	0	0	0
22	0	0	0	0	0	0	0	tr	0	0	0	0	+3	0	-	0	0	0

*Urinary specimens from three flight leaders tested negative on M17, M18, and M19.

*Urinary specimens from three flight leaders tested negative on M17, M18, and M19.

TABLE AII. 175

URINALYSIS - DAILY KETONURIA: FLIGHT 2*
(Diluted urine)

Subject Code No.	P II		EXP I								EXP II								REC I	
	M6	M7	M8	M9	M10	M11	M12	M13	M14	M15	M16	M17	M18	M19	M20	M21	M22	M23	M22	M23
23	0	0	+3	+4	+4	+4	+4	+4	+3	+2	+3	+4	+3	+3	-	tr	0	0		
24	0	0	+2	+3	+3	+4	+4	+4	+3	+3	+3	+3	+3	+3	-	0	0	0		
25	0	0	+1	+3	+2	+3	+2	+2	+1	+1	+1	+1	+2	+1	-	0	0	0		
26	0	0	tr	+2	+1	+2	+4	+2	+1	+1	tr	+2	+1	+2	-	0	0	0		
27	0	0	0	+1	tr	+1	+1	+1	tr	0	0	0	0	tr	-	0	0	0		
28	0	0	0	0	0	0	0	tr	0	0	0	0	0	0	-	0	0	0		
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0		
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0		
31	0	0	+2	+3	+4	+4	+2	+4	+4	+2	+3	+3	+3	+3	-	+2	0	0		
32	0	0	+3	+4	+4	+4	+3	+4	+4	+4	+4	+4	+4	+4	-	+3	tr	0		
33	0	0	+3	+2	+3	+4	+2	+3	+4	+4	+3	+4	+4	+3	-	+2	0	0		
34	0	0	+2	+4	+2	+4	+3	+2	+2	+2	+3	+2	+3	+3	-	+1	0	0		
35	0	0	+2	+2	+2	+2	+2	+3	+2	+2	+2	+2	+2	+2	-	+1	0	0		
36	0	0	tr	+1	+1	+1	+2	+3	+1	+1	+1	+1	+1	+1	-	+1	0	0		
37	0	0	0	+1	+2	+2	+2	+3	+2	+1	+2	+1	+1	+1	-	0	tr	0		
38	0	0	0	tr	+1	+2	+2	+2	+1	+1	+1	+1	+1	+2	-	0	0	0		
39	0	0	0	0	0	tr	tr	+1	0	0	tr	tr	0	0	-	0	0	0		
40	0	0	0	0	tr	tr	tr	+1	0	0	tr	0	0	0	-	0	0	0		
41	0	0	0	0	0	0	0	tr	0	0	0	0	0	0	-	0	0	0		
42	-	0	tr	tr	tr	tr	tr	+1	0	tr	0	0	0	0	-	0	0	0		
43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0		
44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0		

*Urinary specimens from three flight leaders tested negative on M17, M18, and M19.

TABLE AII. 176

URINALYSIS - DAILY KETONURIA: FLIGHT 3*
(Diluted urine)

Subject Code No.	P II		EXP I								EXP II								REC I	
	M6	M7	M8	M9	M10	M11	M12	M13	M14	M15	M16	M17	M18	M19	M20	M21	M22	M23	M22	M23
45	0	0	tr	+3	+4	+4	+4	+4	+3	+4	+3	+3	+3	+3	-	0	0	0		
46	0	0	+1	+4	+4	+4	+4	+4	+4	+4	+4	+4	+4	+4	-	0	0	0		
47	0	0	+1	+3	+2	+2	+3	+3	-	+2	+1	+1	+1	+1	-	0	0	0		
49	0	0	0	0	+1	0	tr	tr	tr	0	0	0	0	0	-	0	0	0		
50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0		
51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0		
52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0		
53	0	0	+1	+2	+2	+3	+4	+4	+4	+4	+4	+4	+4	+4	-	+4	+1	tr		
54	0	0	+3	+2	+3	+2	+3	+4	+4	+4	+4	+4	+3	+4	-	+3	tr	0		
55	0	0	+1	+2	+4	+3	+4	+3	+3	+3	+3	+3	+3	+3	-	+2	0	0		
56	0	0	tr	+3	+3	+3	+4	+4	+4	+4	+4	+4	+4	+4	-	+3	+1	0		
57	0	0	+1	+3	-	+4	+3	+4	+4	+4	+4	+4	+4	+4	-	+4	+2	0		
58	0	0	tr	+3	+4	+4	+4	+4	+4	+4	+3	+3	+3	+4	-	+2	+2	0		
59	0	0	0	+1	+4	+3	+4	+3	+2	+3	+2	+3	+2	+3	-	+1	0	0		
60	0	0	tr	+2	+3	+3	0	+2	-	+1	tr	tr	tr	+3	-	+1	0	0		
61	0	tr	+1	+1	+2	+3	+2	+3	+1	+2	+2	+1	tr	tr	-	0	tr	0		
48	-	-	0	+1	-	tr	+1	+1	+1	+2	0	tr	+1	0	-	0	0	0		
62	0	0	+1	+1	+1	+1	+1	+1	tr	tr	tr	tr	tr	tr	-	0	0	0		
63	0	0	+2	+1	tr	+1	+1	tr	0	tr	tr	tr	0	0	-	0	0	tr		
64	0	0	tr	+1	tr	tr	+1	+1	0	+1	tr	tr	0	0	-	0	0	0		
65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0		
66	0	0	0	0	0	0	+1	0	0	0	0	0	0	0	-	0	0	0		

*Urinary specimens from three flight leaders tested negative on M17, M18, and M19.

TABLE AII. 177

URINALYSIS - DAILY KETONURIA: FLIGHT Lt*
(Diluted urine)

Subject Code No.	P II		EXP I							EXP II							REC I	
	M6	M7	M8	M9	M10	M11	M12	M13	M14	M15	M16	M17	M18	M19	M20	M21	M22	M23
68	0	0	0	+2	+4	+4	+3	+4	+4	-	0	0	0	0	-	0	0	0
69	0	0	+3	+4	+4	+4	+4	+4	+4	+4	+4	+4	+4	+4	-	+2	0	0
70	0	0	+3	+4	+4	+4	+4	+4	+4	+4	+3	+3	+3	+4	-	+1	0	0
71	0	0	+1	+1	+1	+1	-	+2	+1	+2	+1	+1	+1	+1	-	0	0	0
72	0	0	0	0	0	0	+1	tr	tr	tr	tr	0	0	tr	-	0	0	0
73	0	0	0	0	0	0	-	0	0	0	0	0	0	0	-	0	0	0
74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0
75	0	0	+2	+2	0	+3	+1	+3	+3	+3	+2	+2	+2	+2	-	+2	0	0
76	0	0	+3	+3	+3	+3	+2	+3	+3	+3	+3	+1	+3	+2	-	+1	0	0
77	0	0	+1	+1	+2	+2	+2	+3	+1	+2	+1	+3	+1	tr	-	tr	0	0
78	0	0	+1	+2	+2	+2	+3	+3	+2	+3	+2	+4	+2	+1	-	+2	0	0
79	0	0	0	+1	+3	+3	+3	+3	+3	+2	+2	+3	+3	+3	-	+3	tr	0
80	0	0	+3	+3	+3	+4	+4	+4	+4	+4	+3	+4	+4	+4	-	+4	+1	0
81	0	0	+1	+2	+3	+2	+2	+4	+2	+3	+3	+2	+3	+2	-	+4	tr	0
82	0	0	tr	+1	+2	tr	+1	+2	+1	+1	+1	+1	+1	+2	-	+3	0	0
83	0	0	0	0	tr	tr	0	tr	tr	tr	tr	0	tr	tr	-	0	0	0
84	0	0	0	0	tr	0	0	0	0	0	0	0	0	0	-	0	0	0
85	0	0	0	0	0	0	0	0	0	0	0	0	0	tr	-	0	+1	+2
86	0	0	tr	0	0	0	0	0	0	0	0	0	0	0	-	0	tr	+1
87	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0
88	tr	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0

*Urinary specimens from three flight leaders tested negative on M17, M18, and M19.

TABLE AII. 178

DAILY URINARY OSMOLAR EXCRETION
(mOsm/day)

Flight 1				Flight 2			
Subject Code No.	P II M6	EXP I M12	EXP II M18	Subject Code No.	P II M6	EXP I M12	EXP II M18
1	1122	953	910	23	1352	724	576
2	1236	568	456	24	1300	370	532
3	1103	250	468	25	742	522	514
4	1050	302	896	26	1148	758	656
5	1076	398	390	27	1110	404	500
6	695	390	274	28	902	390	320
7	1288	426	396	29	1116	216	298
8	----	302	180	30	668	252	302
9	952	588	290	31	928	1046	968
10	978	640	486	32	1022	724	820
11	1212	1283	1273	33	1088	586	1410
12	766	1196	1300	34	1054	1342	1412
13	1494	672	722	35	765	542	582
14	1118	304	330	36	960	732	766
15	1290	800	762	37	1020	600	640
16	----	358	582	38	952	564	536
17	1180	266	644	39	1050	616	540
18	728	600	790	40	1132	480	1022
19	1300	456	868	41	1182	714	888
20	1068	904	796	42	----	426	798
21	994	856	1012	43	1170	1017	1106
22	1368	956	1077	44	1254	1332	848

Flight 3				Flight 4			
Subject Code No.	P II M6	EXP I M12	EXP II M18	Subject Code No.	P II M6	EXP I M12	EXP II M18
45	1238	714	460	68	1096	454	632
46	1232	654	410	69	1246	660	570
47	1054	358	846	70	888	272	304
49	1046	214	282	71	782	----	322
50	1346	250	174	72	1096	398	368
51	954	158	416	73	1395	----	260
52	1162	324	308	74	1171	162	244
53	964	490	897	75	954	514	936
54	1128	970	1010	76	1192	832	964
55	1012	740	1228	77	1338	1500	1151
56	924	1364	1318	78	1096	776	1376
57	1193	330	552	79	916	556	526
58	872	586	531	80	908	594	580
59	1200	852	876	81	1156	366	738
60	1016	702	874	82	1258	704	782
61	----	824	582	83	1008	256	562
48	1444	672	767	84	1120	562	622
62	910	432	466	85	1200	1216	860
63	1046	402	747	86	650	892	836
64	1464	909	940	87	1126	1118	1024
65	1130	1098	1034	88	1308	1126	908
66	1222	1542	1224				

TABLE AII. 179

DAILY 17-KETOSTEROID EXCRETION: FLIGHT 1
(mg/day)

Subject Code No.	P II	EXP I				EXP II			REC I
	M7	M9	M11	M13	M15	M17	M19	M21	M23
1	7.8	6.6	6.4	6.7	7.7	7.1	5.7	10.9	6.9
2	10.9	9.9	8.6	7.2	5.3	5.8	5.7	7.0	5.8
3	12.1	10.3	7.7	6.6	4.4	5.2	4.8	----	5.7
4	12.5	10.2	6.0	6.0	---	6.5	8.0	13.9	8.2
5	12.1	9.0	8.2	6.9	8.5	8.8	8.2	9.9	5.7
6	10.8	5.6	7.7	5.3	7.4	7.3	7.0	7.9	8.8
7	15.7	10.9	9.9	8.7	9.7	10.1	8.0	8.0	11.4
8	----	----	5.8	8.1	11.9	14.6	10.4	12.5	11.5
9	7.7	7.6	5.3	9.1	7.9	10.1	10.2	9.1	7.4
10	14.3	10.1	8.7	6.3	4.7	7.8	6.8	5.5	6.9
11	12.4	9.6	10.7	8.3	9.1	8.2	7.5	9.8	10.3
12	14.8	13.2	15.6	16.2	11.9	16.3	12.3	17.8	12.4
13	18.0	13.5	13.2	10.8	4.2	7.6	5.7	10.5	12.0
14	8.2	5.7	9.9	6.7	5.9	5.8	5.0	5.9	6.5
15	15.2	12.3	10.5	7.4	11.1	9.6	9.4	12.4	10.3
16	----	----	6.5	5.8	7.4	7.0	4.9	7.0	7.0
17	13.3	14.4	12.1	----	14.6	13.4	13.1	14.4	15.1
18	15.7	14.1	13.4	14.8	15.3	11.9	12.4	14.5	12.9
19	17.4	12.6	13.0	12.9	14.2	13.3	10.5	12.4	13.4
20	7.9	6.0	8.3	7.7	8.7	7.3	7.7	8.9	7.5
21	9.1	8.1	7.7	4.6	5.8	7.3	6.5	8.2	7.9
22	13.3	10.8	9.1	13.1	13.0	12.1	13.0	17.6	14.7

TABLE AII. 180

DAILY 17-KETOSTEROID EXCRETION: FLIGHT 2
(mg/day)

Subject Code No.	P II	EXP I				EXP II			REC I
	M7	M9	M11	M13	M15	M17	M19	M21	M23
23	12.3	11.2	9.0	6.9	6.9	6.1	6.6	8.6	8.0
24	20.0	10.0	17.4	11.7	9.2	11.9	7.8	12.2	7.2
25	15.5	12.9	9.7	4.4	8.4	9.2	6.8	10.2	7.3
26	8.3	9.4	6.7	6.6	4.8	8.7	5.0	6.3	3.2
27	11.9	10.6	10.0	6.0	8.5	7.1	6.5	10.2	5.8
28	16.6	14.4	13.6	4.3	11.3	8.9	9.2	11.1	10.5
29	14.7	----	14.9	14.5	11.1	9.3	11.0	9.9	8.2
30	16.4	15.0	11.8	5.2	10.0	12.1	14.4	14.3	10.5
31	17.0	13.6	10.5	7.4	8.5	8.6	6.0	7.4	7.8
32	9.0	9.5	12.0	6.2	6.2	6.2	5.9	8.3	6.3
33	8.4	4.3	8.5	8.9	9.8	8.1	8.4	8.9	7.9
34	11.3	9.9	8.9	8.8	9.2	9.0	11.6	12.0	9.7
35	11.9	9.2	10.0	6.6	10.0	7.7	5.6	6.8	7.3
36	9.9	7.7	7.3	6.4	7.8	7.6	7.4	11.4	7.9

TABLE AII. 180 (contd)

Subject Code No.	P II	EXP I				EXP II			REC I
	M7	M9	M11	M13	M15	M17	M19	M21	M23
37	17.2	16.6	12.8	6.7	12.1	11.7	9.2	11.5	10.7
38	12.8	11.3	9.1	7.6	7.4	6.9	7.4	8.2	9.3
39	10.1	6.0	3.5	3.2	7.1	7.2	9.3	6.4	7.1
40	11.9	11.3	12.3	15.8	10.4	10.0	8.7	12.0	8.4
41	13.9	15.9	12.4	11.8	13.2	11.8	11.7	15.3	6.5
42	8.7	6.4	12.3	11.7	12.4	11.7	17.2	14.3	12.9
43	8.5	4.3	13.4	7.7	7.2	6.7	8.5	8.9	6.8
44	14.7	11.6	13.2	15.1	12.2	12.1	12.1	15.0	10.6

TABLE AII. 181

MEAN DAILY FECAL WET WEIGHT: FLIGHT 1
(gm/day)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
1	221	200	---	---	---	271
2	78	165	29	29	193	87
3	256	158	68	22	459	264
4	194	103	7	---	---	216
5	100	94	54	54	171	320
6	157	96	24	107	226	168
7	94	39	24	24	192	160
8	236	---	---	57	359	174
9	39	79	17	63	160	289
10	160	150	211	124	383	316
11	73	90	20	20	195	105
12	82	98	88	43	94	47
13	199	185	90	41	369	156
14	139	55	57	57	158	113
15	200	219	125	91	328	195
16	174	---	---	84	221	128
17	266	155	74	99	301	170
18	109	54	40	40	226	162
19	74	78	45	45	236	102
20	138	105	55	63	292	184
21	201	155	145	115	193	91
22	212	139	174	147	157	217

TABLE AII. 182

MEAN DAILY FECAL WET WEIGHT: FLIGHT 2
(gm/day)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
23	153	150	22	22	195	105
24	185	125	12	12	215	117
25	60	68	7	7	218	118
26	183	130	9	9	212	170
27	221	148	14	14	241	257
28	173	120	14	14	210	105
29	158	114	59	54	283	174
30	143	136	61	61	189	235
31	157	184	41	41	214	206
32	170	78	26	26	216	138
33	101	110	74	37	330	190
34	86	57	40	40	137	144
35	121	26	18	18	0	84
36	77	41	32	46	182	111
37	221	166	64	64	291	137
38	100	108	27	27	313	201
39	111	111	17	17	62	72
40	120	86	20	33	155	99
41	199	93	72	32	243	123
42	---	---	19	19	186	213
43	155	143	90	98	124	196
44	137	114	86	75	158	175

TABLE AII. 183

MEAN DAILY FECAL WET WEIGHT: FLIGHT 3
(gm/day)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
45	106	111	5	58	134	297
46	85	61	25	25	116	89
47	126	32	0	---	---	92
49	123	120	21	21	143	100
50	116	92	33	99	95	117
51	130	145	17	17	160	135
52	175	111	55	55	131	181
53	218	139	66	66	193	128
54	174	35	10	91	177	122
55	95	45	32	100	112	149
56	162	169	123	66	254	123
57	101	150	126	52	184	156
58	136	72	7	7	223	149
59	122	119	63	32	263	100

TABLE AII. 183 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
60	219	221	184	---	---	219
61	---	---	51	49	296	223
48	118	82	39	39	198	178
62	343	175	279	151	275	250
63	103	94	100	69	67	105
64	180	115	282	50	288	173
65	172	95	146	112	245	99
66	51	173	101	101	306	129

TABLE AII. 184

MEAN DAILY FECAL WET WEIGHT: FLIGHT 4
(gm/day)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
68	115	75	16	---	---	265
69	112	130	31	31	303	189
70	---	103	2	2	80	115
71	80	98	27	27	112	109
72	75	121	33	33	112	122
73	163	76	17	53	131	181
74	205	108	33	41	102	123
75	236	106	22	22	188	289
76	194	85	66	66	104	193
77	117	42	90	90	80	316
78	147	106	39	39	58	97
79	170	69	12	12	83	43
80	100	40	27	27	166	109
81	78	54	18	18	107	159
82	128	105	39	39	43	59
83	143	107	42	42	138	125
84	106	138	22	22	77	74
85	100	160	34	34	88	115
86	97	78	66	66	194	187
87	129	132	94	94	130	218
88	27	27	77	77	97	61

TABLE AII. 185

MEAN DAILY FECAL NITROGEN: FLIGHT 1
(gm/day)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
1	3.26	3.45	----	----	----	1.85
2	1.62	2.87	0.74	0.74	4.30	1.60
3	4.76	4.04	0.78	0.15	8.95	4.60
4	5.30	3.06	0.20	----	----	4.04
5	2.38	1.91	0.81	0.81	3.76	4.44
6	2.77	1.91	0.43	1.89	4.04	2.80
7	1.92	0.67	0.42	0.42	3.71	3.02
8	3.53	----	----	1.08	5.88	2.44
9	1.01	1.54	0.32	1.46	3.88	3.41
10	3.21	2.69	2.04	1.27	4.98	3.82
11	1.72	1.76	0.34	0.34	4.40	2.15
12	1.85	2.21	1.75	0.74	1.52	1.61
13	4.60	4.70	0.98	0.54	6.50	2.19
14	2.41	1.03	0.97	0.97	2.60	1.83
15	4.50	3.53	1.01	1.12	6.06	3.36
16	4.16	----	----	1.36	4.59	1.81
17	4.06	2.36	1.74	1.44	5.21	3.18
18	2.16	1.37	0.76	0.76	4.22	3.12
19	1.53	1.35	0.76	0.76	4.61	2.23
20	1.28	1.57	0.75	0.86	5.25	2.41
21	3.43	2.80	2.16	1.87	3.81	1.40
22	4.52	3.53	4.16	2.91	3.81	4.12

TABLE AII. 186

MEAN DAILY FECAL NITROGEN: FLIGHT 2
(gm/day)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
23	3.03	3.11	0.49	0.49	4.44	2.13
24	4.40	2.86	0.26	0.26	3.64	2.05
25	1.60	1.28	0.13	0.13	5.26	2.44
26	3.80	2.75	0.18	0.18	4.98	3.35
27	4.68	3.48	0.33	0.33	5.16	2.95
28	4.25	2.67	0.32	0.32	4.60	2.79
29	3.25	2.77	0.85	0.79	5.49	3.05
30	3.66	2.44	0.83	0.83	3.38	3.36
31	3.03	3.37	0.61	0.61	3.92	2.82
32	3.39	1.49	0.53	0.53	5.98	2.40
33	1.80	3.04	1.71	0.59	6.16	2.94
34	2.11	1.78	1.09	1.09	3.18	3.32
35	2.47	0.50	0.35	0.35	----	1.74

TABLE AII. 186 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
36	1.11	0.62	0.50	0.80	3.19	2.51
37	3.85	3.17	0.66	0.66	5.50	2.52
38	1.73	2.09	0.44	0.44	5.64	2.93
39	2.34	1.48	0.42	0.42	1.76	1.63
40	2.62	1.82	0.47	0.58	2.67	2.32
41	3.78	1.87	1.68	0.72	4.32	2.31
42	----	----	0.37	0.37	3.12	3.51
43	3.42	3.55	2.04	1.78	2.62	2.97
44	2.18	2.15	1.46	2.86	3.59	3.78

TABLE AII. 187

MEAN DAILY FECAL NITROGEN: FLIGHT 3
(gm/day)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
45	2.21	----	----	0.97	2.31	4.22
46	1.48	1.34	0.55	0.55	2.48	3.18
47	2.39	0.66	0.00	----	----	1.29
49	2.61	2.12	0.41	0.41	2.82	1.62
50	2.34	1.99	0.43	0.78	1.97	2.57
51	2.55	2.83	0.30	0.30	3.32	2.81
52	3.70	2.93	0.99	0.99	2.90	3.28
53	4.50	2.83	1.16	1.16	3.92	1.99
54	4.01	0.84	0.24	2.05	1.72	2.39
55	1.98	1.07	0.49	2.97	----	2.68
56	3.06	2.83	2.02	0.96	4.72	1.79
57	1.67	2.36	1.57	1.06	3.58	2.53
58	2.54	1.25	0.12	0.12	4.26	2.18
59	2.48	2.50	1.33	0.69	5.97	1.75
60	3.41	0.55	1.79	----	----	3.06
61	----	----	1.61	1.37	7.85	5.18
48	2.34	1.55	0.67	0.67	3.83	3.22
62	4.42	2.53	2.24	1.83	4.86	2.84
63	1.74	1.60	1.64	1.01	1.30	1.41
64	4.07	3.18	3.02	1.13	2.68	3.28
65	3.45	2.23	2.81	2.06	5.54	1.90
66	0.93	3.42	1.60	1.60	7.70	2.36

TABLE AII. 188

MEAN DAILY FECAL NITROGEN: FLIGHT 4
(gm/day)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
68	2.21	1.58	0.33	----	----	2.93
69	2.06	2.35	0.41	0.41	5.25	2.60
70	----	1.35	0.07	0.07	1.56	2.11
71	1.64	1.76	0.35	0.35	2.21	2.20
72	1.49	1.93	0.55	0.55	2.07	2.06
73	3.45	1.83	0.41	0.92	2.71	2.51
74	3.05	2.17	0.75	0.42	1.05	2.11
75	4.44	2.13	0.44	0.44	----	4.51
76	3.09	1.77	0.92	0.92	2.08	2.75
77	1.90	0.71	1.31	1.31	1.48	3.44
78	3.25	2.36	0.87	0.87	1.00	1.67
79	3.53	1.69	0.67	0.67	1.76	0.77
80	2.81	0.78	0.58	0.58	3.13	1.99
81	2.02	1.13	0.38	0.38	1.51	2.11
82	2.61	2.18	0.73	0.73	0.68	0.88
83	2.71	1.62	0.90	0.90	3.73	1.79
84	1.95	2.23	0.44	0.44	1.53	1.44
85	2.31	3.45	0.64	0.64	1.58	2.08
86	2.24	1.55	1.37	1.37	3.46	2.08
87	2.48	2.97	1.78	1.78	2.24	1.58
88	0.68	0.68	1.68	1.68	2.05	0.99

TABLE AII. 189

MEAN DAILY FECAL FAT: FLIGHT 1
(gm/day)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
1	3.8	2.8	---	---	---	4.4
2	2.4	3.7	0.7	0.7	4.8	3.5
3	10.9	7.1	0.7	0.2	24.6	9.8
4	10.0	4.2	0.3	1.6	14.2	10.3
5	5.1	4.5	1.3	1.3	8.2	12.2
6	4.2	4.5	5.0	2.6	8.5	6.7
7	8.4	1.3	0.8	0.8	8.3	11.5
8	7.7	---	---	2.3	24.4	8.5
9	1.9	3.6	0.8	2.6	11.8	9.1
10	9.2	3.8	3.5	1.6	10.8	7.3
11	2.3	3.5	0.7	0.7	11.8	5.1
12	3.6	2.8	3.6	1.5	3.9	4.2
13	9.7	8.4	2.3	0.7	22.4	4.3
14	3.8	1.7	2.4	2.4	5.7	2.3

TABLE AII. 189 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
15	9.1	7.6	3.8	3.7	24.4	4.8
16	6.7	---	---	2.2	14.2	5.0
17	7.8	4.9	1.0	1.2	13.9	5.3
18	7.2	4.8	1.9	1.9	9.5	10.6
19	3.2	2.4	0.7	0.7	9.0	4.2
20	10.8	6.3	2.2	1.7	17.9	9.1
21	6.9	3.9	2.7	2.0	8.4	3.0
22	8.9	7.1	5.3	3.5	8.1	9.6

TABLE AII. 190

MEAN DAILY FECAL FAT: FLIGHT 2
(gm/day)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
23	7.9	7.5	1.1	1.1	17.2	4.0
24	7.0	3.9	0.4	0.4	8.9	3.2
25	3.1	3.0	0.3	0.3	21.1	5.8
26	5.7	4.6	0.3	0.3	12.2	8.4
27	6.6	4.3	0.4	0.4	10.4	4.2
28	7.7	4.5	0.5	0.5	16.1	4.3
29	5.4	3.6	1.1	1.0	15.7	4.8
30	6.4	3.0	0.5	0.5	7.2	5.2
31	3.6	5.0	0.6	0.6	8.7	4.4
32	4.7	2.7	0.9	0.9	10.9	3.4
33	3.4	3.3	3.2	1.3	13.9	9.4
34	4.4	2.1	1.6	1.6	7.6	4.8
35	7.9	1.8	1.3	1.3	---	2.8
36	4.0	2.2	1.8	3.1	12.4	4.2
37	6.6	5.6	1.4	1.4	15.5	3.6
38	4.6	4.0	0.9	0.9	23.8	7.1
39	4.9	2.9	0.8	0.8	6.1	3.2
40	3.8	2.3	0.7	1.4	6.3	3.5
41	8.8	3.2	2.6	0.8	13.8	2.4
42	---	---	0.6	0.6	18.4	12.9
43	5.8	4.6	2.1	1.3	7.3	5.2
44	3.7	3.4	5.4	4.6	7.9	4.7

TABLE AII. 191

MEAN DAILY FECAL FAT: FLIGHT 3
(gm/day)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
45	4.5	---	---	2.0	7.3	5.8
46	3.0	2.1	0.9	0.9	5.8	5.4
47	4.8	1.0	0.0	---	---	4.5
49	3.6	3.4	0.4	0.4	5.4	2.3
50	3.8	2.3	0.4	0.7	3.7	4.0
51	4.8	4.9	0.3	0.3	7.7	9.0
52	6.1	5.4	1.3	1.3	7.3	7.4
53	8.1	2.2	1.9	1.9	10.5	4.2
54	7.2	1.8	0.5	4.0	8.6	4.4
55	6.6	5.6	2.1	4.1	8.6	6.1
56	6.6	5.7	3.7	1.1	17.6	2.9
57	5.1	7.1	5.8	2.8	16.9	6.8
58	7.7	9.0	0.9	0.9	13.3	8.2
59	6.6	4.2	3.0	1.3	11.1	2.2
60	5.2	5.9	3.2	---	---	6.9
61	---	---	2.6	4.0	19.2	5.2
48	4.5	2.5	1.0	1.0	13.2	4.2
62	3.6	2.1	1.5	1.9	10.6	7.4
63	3.3	1.2	2.0	0.8	3.4	3.0
64	3.6	3.0	1.8	1.0	5.4	8.4
65	5.7	3.3	2.9	1.7	11.4	3.4
66	2.6	8.0	2.6	2.6	20.1	5.9

TABLE AII. 192

MEAN DAILY FECAL FAT: FLIGHT 4
(gm/day)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
68	1.8	1.5	0.3	---	---	6.5
69	3.1	4.4	0.5	0.5	12.1	4.6
70	---	6.4	0.2	0.2	4.0	8.6
71	3.3	4.4	0.4	0.4	7.5	8.0
72	2.9	2.7	0.6	0.6	5.7	3.1
73	5.1	2.6	0.6	0.6	8.0	3.4
74	4.0	3.4	0.7	0.9	7.2	6.1
75	6.7	4.1	0.8	0.8	---	5.9
76	2.3	2.3	1.8	1.8	5.0	3.7
77	4.2	1.8	3.6	3.6	4.0	7.4
78	4.6	4.5	1.6	1.6	1.3	2.2
79	6.2	2.7	1.6	1.6	6.2	1.1
80	4.4	2.0	1.4	1.4	5.3	3.4

TABLE AII. 192 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
81	3.9	2.6	0.9	0.9	3.4	2.6
82	4.7	3.3	2.2	2.2	1.5	2.4
83	3.1	1.9	0.8	0.8	4.8	2.6
84	3.7	4.1	0.5	0.5	3.7	3.1
85	8.1	3.0	1.1	1.1	9.2	4.0
86	4.3	2.7	1.9	1.9	8.1	2.7
87	3.2	5.1	3.3	3.3	6.3	2.9
88	1.5	1.5	2.2	2.2	4.5	1.5

TABLE AII. 193

MEAN DAILY FECAL POTASSIUM: FLIGHT 1
(mEq/day)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
1	15.6	11.6	----	----	----	8.2
2	6.1	9.6	3.0	3.0	18.8	5.9
3	14.8	17.4	6.7	3.4	37.7	20.0
4	16.1	7.3	0.5	----	----	14.2
5	8.9	8.9	5.4	5.4	16.7	23.2
6	13.1	8.8	2.4	10.9	25.4	15.2
7	12.6	2.8	1.8	1.8	22.2	15.5
8	17.2	----	----	5.8	24.9	10.8
9	3.8	9.9	2.1	7.6	19.0	17.8
10	12.1	10.5	21.8	10.6	21.4	16.2
11	4.4	6.8	1.3	1.3	17.7	9.5
12	5.5	8.3	9.5	4.6	7.5	9.4
13	15.7	14.8	8.7	3.6	31.3	7.5
14	17.3	7.2	4.2	4.2	18.3	10.9
15	15.8	13.1	9.5	5.8	25.1	10.8
16	12.1	----	----	4.3	14.8	8.2
17	16.4	15.4	6.5	7.2	32.5	19.9
18	8.5	3.9	3.4	3.4	21.8	10.5
19	6.8	6.6	4.1	4.1	28.6	8.9
20	13.2	10.0	4.1	4.7	30.8	19.7
21	14.2	10.7	10.7	7.9	14.6	7.7
22	15.7	11.8	15.4	11.4	13.2	16.5

TABLE AII. 194

MEAN DAILY FECAL POTASSIUM: FLIGHT 2
(mEq/day)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
23	13.5	10.8	1.9	1.9	22.5	5.4
24	18.3	17.0	1.6	1.6	22.9	10.6
25	3.5	6.9	0.7	0.7	20.7	6.1
26	15.0	16.7	1.1	1.1	21.4	12.5
27	22.6	16.6	1.6	1.6	32.1	14.9
28	14.4	12.2	1.5	1.5	26.3	8.1
29	15.1	11.0	6.2	5.8	28.8	18.3
30	12.7	10.0	4.9	4.9	14.0	11.6
31	15.0	13.8	3.8	3.8	22.4	13.4
32	18.1	6.9	2.4	2.4	30.0	11.2
33	9.8	10.3	6.7	2.9	25.4	12.8
34	7.3	4.4	3.0	3.0	10.8	11.6
35	15.7	1.9	1.3	1.3	----	11.6
36	9.5	4.0	3.2	5.0	19.6	14.5
37	22.0	14.9	4.7	4.7	26.9	11.0
38	11.4	9.5	2.5	2.5	34.9	18.1
39	7.5	5.1	1.4	1.4	8.0	4.9
40	7.7	4.4	1.2	3.0	13.8	8.0
41	18.1	8.6	6.8	3.9	24.8	11.5
42	----	----	1.7	1.7	17.0	19.3
43	12.9	13.0	7.2	8.7	12.2	14.6
44	13.9	12.1	10.3	17.6	19.1	16.1

TABLE AII. 195

MEAN DAILY FECAL POTASSIUM: FLIGHT 3
(mEq/day)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
45	11.5	----	----	7.5	12.1	22.2
46	6.0	7.4	3.0	3.0	11.8	12.1
47	8.3	3.1	----	----	----	6.0
49	12.5	10.9	2.1	2.1	14.7	6.3
50	13.4	9.5	2.8	5.0	8.4	7.9
51	14.7	15.6	2.5	2.5	15.7	12.2
52	11.8	10.8	4.4	4.4	13.7	12.8
53	22.5	15.1	6.3	6.3	19.2	12.6
54	15.0	2.6	0.7	9.1	16.3	25.6
55	6.8	3.0	3.8	10.9	----	10.8
56	15.6	16.0	14.5	4.6	27.1	6.9
57	8.4	13.7	11.5	9.8	18.0	11.7
58	11.7	8.0	0.8	0.8	23.2	13.3

TABLE AII. 195 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
59	10.5	12.2	4.8	2.4	14.1	7.2
60	7.9	9.5	8.2	----	----	12.9
61	----	----	3.5	7.5	30.5	17.1
48	10.7	7.4	4.1	4.1	16.6	13.0
62	18.9	9.2	20.0	13.2	24.8	19.0
63	8.6	9.2	9.5	6.1	8.1	10.7
64	18.6	14.6	19.0	9.2	11.3	11.4
65	12.0	8.5	11.9	9.7	26.0	7.4
66	3.4	15.7	8.2	8.2	35.5	12.8

TABLE AII. 196

MEAN DAILY FECAL POTASSIUM: FLIGHT 4
(mEq/day)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
68	6.8	4.9	1.0	----	----	12.6
69	7.3	11.7	2.1	2.1	33.2	12.6
70	----	12.0	0.4	0.4	9.6	13.6
71	12.1	12.7	2.4	2.4	12.5	8.0
72	7.2	11.6	3.2	3.2	11.6	8.7
73	9.9	2.7	0.6	3.4	17.0	9.7
74	14.6	9.4	2.8	1.4	9.1	10.9
75	17.8	10.9	1.0	1.0	----	22.2
76	16.7	7.6	7.2	7.2	10.6	14.8
77	9.8	3.8	8.0	8.0	6.9	25.5
78	12.4	8.6	3.1	3.1	4.4	7.4
79	24.1	10.0	6.7	6.7	9.0	3.4
80	12.1	3.2	2.2	2.2	14.0	7.7
81	9.0	3.8	1.3	1.3	7.1	5.4
82	9.6	7.2	3.6	3.6	3.8	4.1
83	13.0	6.3	5.0	5.0	8.8	9.8
84	10.4	11.6	2.1	2.1	7.1	5.5
85	6.0	11.5	2.9	2.9	7.3	5.8
86	4.8	4.7	4.7	4.7	13.6	5.5
87	11.7	6.5	10.3	10.3	14.0	6.0
88	7.8	7.8	8.6	8.6	10.1	6.2

TABLE AII. 197

FECAL BENZIDINE REACTION: FLIGHT 1

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
1	+3 - +4	+3	--	--	--	+3 - +4
2	+2	+3 - +4	0	0	+3	+2 - +3
3	+3 - +4	+4	0	0	+2	+3
4	0	--	--	--	--	0
5	0	+1 - +2	0	0	0	+3
6	+1	+3	0	0	+1	0
7	tr	--	--	--	0	tr
8	0	--	0	0	+1	+3
9	+3	--	--	0	0	+3
10	+2 - +3	+3	0	0	tr	tr
11	+1	--	--	--	tr	tr
12	+2 - +3	+3	tr	0	0	+2
13	+1	+2 - +3	0	0	0	+2
14	0	+2	0	0	+4	+1
15	tr	tr	0	0	+1 - +2	0
16	+1	--	--	0	tr - +1	+3
17	+2	+4	0	0	0	tr
18	+1	0	0	0	0	tr
19	+1 - +2	+2	0	0	tr	0
20	0	0	0	0	0	+1
21	+3	+3 - +4	0	tr	+4	+1
22	+1	+3	0	0	+3	0

TABLE AII. 198

FECAL BENZIDINE REACTION: FLIGHT 2

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
23	tr	0	0	0	0	0
24	0	--	--	--	0	0
25	0	--	--	--	0	+1
26	+2	--	--	--	0	+1
27	0	--	--	--	tr	0
28	+1	--	--	--	+1	+2
29	+1 - +2	tr	0	0	+2	+2
30	+1	0	0	0	+2	0
31	0	tr	0	0	0	tr
32	0	--	--	--	tr	+1
33	+3 - +4	+4	+3	0	tr	+1 - +2
34	+1	+2	+1	+1	0	0
35	+2 - +3	--	--	--	--	0
36	0	--	--	--	--	+2
37	+2 - +3	+3	0	0	+1	+3

TABLE AII. 198 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
38	+3 - +4	+4	0	0	+1	+3
39	+1	--	--	--	0	0
40	+3	+2	0	0	tr	0
41	+4	+3	tr	0	0	0
42	--	--	0	0	0	tr - +1
43	0	+1	tr	+1	+2	tr - +1
44	+1	+2	0	+3	0	0

TABLE AII. 199

FECAL BENZIDINE REACTION: FLIGHT 3

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
45	tr	--	0	0	+3	+1
46	+1	--	--	--	+1 - +2	tr
47	+2	--	--	--	--	0
49	+3	+4	--	0	+4	tr
50	+1	+4	0	0	+4	+3
51	0	0	0	0	tr	tr
52	0	+1	0	0	0	0
53	0	tr - +1	0	0	+1	+2
54	+1	--	--	0	+3	tr
55	0	tr - +1	0	+3	--	+1
56	+3	+2 - +3	tr	0	+2	tr
57	0	tr	0	0	0	+3
58	+3 - +4	--	--	--	tr	+2
59	+1	0	0	0	0	tr
60	+2	+2 - +3	0	--	--	+2
61	--	--	0	0	tr	0
48	+1 - +2	+3 - +4	0	0	+3	tr
62	+2	+2 - +3	0	0	0	+1
63	+1	+3	0	0	+3 - +4	+2
64	+1 - +2	+2	0	0	+1	0
65	+1 - +2	+3	0	0	tr - +1	+3 - +4
66	+1 - +2	tr	0	0	+1 - +2	0

TABLE AII. 200

FECAL BENZIDINE REACTION: FLIGHT 4

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
68	+3 - +4	--	--	--	--	0
69	+3	--	0	0	+3 - +4	+1 - +2
70	--	+3 - +4	--	--	--	+1 - +2
71	+2 - +3	+2	0	0	+2	tr
72	+2	+1	0	0	+3	+1
73	+2 - +3	--	--	0	+2	+1
74	+1	+3	0	+1	--	0
75	+3 - +4	--	--	--	--	tr
76	+1	+1	+1	+1	0	+2
77	+3	+2	+1	+1	+4	+1
78	0	--	--	--	--	0
79	0	0	0	0	+2	tr
80	+2	0	--	--	+2	0
81	+1	--	--	--	+2	0
82	+1	+2 - +3	0	0	+1	0
83	+1	+1	0	0	+1	0
84	+1	tr	0	0	tr	tr
85	+1	+1	0	0	+3	+1
86	0	0	0	0	+1	+2
87	+2 - +3	+1	0	0	+2	+2
88		tr	0	0	+3 - +4	+1

TABLE AII. 201

FECAL FIBERS: FLIGHT 1
(No./low power field)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
1	10 - 12	8 - 10	--	--	--	8 - 10
2	10 - 12	10 - 12	0	0	3 - 4	3 - 4
3	10 - 12	10 - 12	0 - 1	0	4 - 5	10 - 12
4	15 - 20	--	--	--	--	5 - 6
5	5 - 6	5 - 6	6 - 8	6 - 8	8 - 10	5 - 6
6	10 - 15	8 - 10	0	6 - 8	4 - 6	0 - 2
7	7 - 10	--	--	--	5 - 6	0 - 4
8	10 - 12	--	0 - 2	0 - 2	5 - 6	4 - 5
9	3 - 4	--	--	2 - 3	3 - 4	2 - 4
10	10 - 12	7 - 8	0 - 2	0 - 1	2 - 4	2 - 4
11	2 - 3	--	--	--	7 - 10	0 - 3
12	0 - 3	2 - 3	2 - 4	3 - 5	4 - 6	2 - 4
13	5 - 8	3 - 5	0	0	10 - 12	6 - 8
14	0 - 3	3 - 5	10 - 12	10 - 12	0 - 3	0 - 4
15	15 - 20	15 - 17	2 - 3	5 - 6	3 - 4	3 - 4

TABLE AII. 201 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
16	5 - 8	-	-	2 - 3	3 - 6	5 - 8
17	10 - 12	5 - 8	2 - 4	2 - 3	2 - 4	8 - 10
18	5 - 10	1 - 4	0 - 1	0 - 1	2 - 4	5 - 8
19	5 - 8	5 - 8	3 - 5	3 - 5	7 - 10	1 - 3
20	3 - 5	3 - 5	0 - 1	0	0 - 2	0 - 1
21	8 - 12	10 - 12	4 - 6	4 - 6	6 - 7	3 - 5
22	12 - 14	7 - 8	4 - 6	2 - 3	5 - 6	8 - 10

TABLE AII. 202

FECAL FIBERS: FLIGHT 2
(No./low power field)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
23	1 - 2	15 - 20	6 - 10	6 - 10	8 - 10	5 - 6
24	4 - 5	-	-	-	0 - 3	3 - 4
25	5 - 8	-	-	-	10 - 15	6 - 8
26	5 - 7	-	-	-	0 - 1	0 - 2
27	7 - 10	-	-	-	4 - 6	2 - 4
28	8 - 10	-	-	-	0 - 2	3 - 5
29	10 - 12	8 - 10	0 - 3	0 - 3	2 - 3	3 - 5
30	10 - 15	8 - 10	0 - 1	0 - 1	2 - 3	5 - 6
31	8 - 10	8 - 10	0 - 2	0 - 2	2 - 4	8 - 10
32	6 - 8	-	-	-	10 - 15	6 - 8
33	8 - 9	5 - 6	0 - 2	0 - 2	5 - 8	8 - 10
34	3 - 6	3 - 6	2 - 4	2 - 4	5 - 8	8 - 10
35	3 - 6	-	-	-	-	1 - 4
36	3 - 6	-	-	-	-	3 - 5
37	8 - 10	4 - 6	0	0	15 - 20	4 - 6
38	3 - 6	4 - 6	0 - 3	0 - 3	8 - 10	0 - 2
39	8 - 10	-	-	-	0 - 2	4 - 6
40	5 - 6	5 - 6	0 - 1	0 - 1	0 - 3	4 - 6
41	10 - 12	0 - 2	0	0	5 - 6	6 - 8
42	-	-	0	0	5 - 8	4 - 6
43	5 - 6	4 - 6	0 - 1	0 - 3	0 - 3	0 - 2
44	10 - 12	8 - 10	0 - 2	3 - 6	0 - 2	5 - 6

TABLE AII. 203

FECAL FIBERS: FLIGHT 3
(No./low power field)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
45	10 - 12	-	0	6 - 8	0 - 3	3 - 5
46	8 - 10	-	-	-	0 - 3	6 - 9
47	3 - 6	-	-	-	-	3 - 5
49	10 - 12	10 - 12	-	0	6 - 8	5 - 6
50	10 - 15	8 - 10	0	0 - 2	6 - 8	0 - 4
51	10 - 15	8 - 10	0 - 1	0 - 1	0 - 4	6 - 8
52	8 - 10	10 - 15	0	0	0 - 3	1 - 4
53	8 - 10	5 - 8	1 - 3	1 - 3	0 - 3	0 - 4
54	8 - 10	-	-	0 - 3	2 - 4	2 - 4
55	8 - 10	0 - 2	0 - 3	3 - 5	-	3 - 6
56	5 - 6	10 - 15	2 - 5	0	10 - 12	2 - 4
57	4 - 5	10 - 15	15 - 20	0	3 - 5	7 - 9
58	7 - 8	-	-	-	0 - 3	0 - 3
59	10 - 15	10 - 12	3 - 6	0 - 3	6 - 8	7 - 8
60	8 - 10	5 - 8	3 - 6	-	-	5 - 6
61	-	-	0 - 1	0 - 3	0 - 3	4 - 6
48	2 - 3	5 - 6	0	0	3 - 5	3 - 5
62	5 - 6	5 - 8	2 - 5	5 - 6	4 - 6	2 - 4
63	5 - 6	4 - 5	0 - 4	0 - 2	4 - 6	3 - 4
64	10 - 15	10 - 12	3 - 8	6 - 8	0 - 3	8 - 10
65	8 - 10	8 - 10	5 - 8	10 - 15	8 - 10	0 - 3
66	2 - 3	10 - 15	10 - 15	10 - 15	8 - 10	6 - 8

TABLE AII. 204

FECAL FIBERS: FLIGHT 4
(No./low power field)

Subject Code No.	P I	P I	EXP I	EXP II	REC I	REC II
68	3 - 5	-	-	-	-	4 - 6
69	4 - 5	-	0 - 2	0 - 2	2 - 4	3 - 6
70	-	8 - 10	-	-	-	8 - 10
71	4 - 5	0 - 3	2 - 3	2 - 3	0 - 2	4 - 5
72	7 - 10	5 - 7	5 - 6	5 - 6	0 - 2	0 - 4
73	7 - 10	-	-	0 - 2	0 - 2	7 - 10
74	7 - 10	7 - 10	0 - 3	7 - 10	-	6 - 8
75	7 - 10	-	-	-	-	4 - 5
76	7 - 10	10 - 12	10 - 12	10 - 12	0 - 1	6 - 8
77	0 - 3	0 - 2	5 - 6	5 - 6	0 - 4	4 - 6
78	0 - 2	-	-	-	-	8 - 10
79	0 - 3	0 - 3	3 - 5	3 - 5	0 - 3	2 - 3
80	3 - 5	5 - 8	-	-	3 - 5	1 - 3

TABLE AII. 204 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
81	5 - 7	-	-	-	0 - 3	0 - 3
82	1 - 3	1 - 3	0 - 2	0 - 2	0 - 3	0 - 3
83	3 - 5	2 - 4	3 - 5	3 - 5	2 - 4	3 - 4
84	7 - 9	10 - 12	0 - 1	0 - 1	3 - 5	10 - 12
85	5 - 6	5 - 8	3 - 5	3 - 5	3 - 4	8 - 10
86	5 - 8	5 - 6	6 - 8	6 - 8	4 - 5	4 - 6
87	3 - 5	3 - 6	6 - 7	6 - 7	0 - 2	0 - 3
88		3 - 6	3 - 5	3 - 5	0 - 3	0 - 3

TABLE AII. 205

CREATININE CLEARANCE: FLIGHT 1
(ml/min)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
1	---	122	---	---	---	142
2	179	171	103	106	196	162
3	---	117	86	185	106	210
4	156	185	103	---	---	154
5	---	143	102	126	126	169
6	---	128	81	114	113	132
7	92	96	88	121	125	123
8	104	---	---	107	167	152
9	221	125	95	104	143	178
10	---	211	89	111	142	144
11	139	115	141	120	147	66
12	115	174	238	148	165	155
13	181	164	162	121	147	162
14	111	122	123	153	152	163
15	189	98	114	129	149	163
16	---	114	---	216	129	276
17	122	103	113	103	171	190
18	---	55	130	112	141	67
19	176	82	142	164	193	196
20	---	88	130	181	160	148
21	67	58	96	130	164	74
22	135	71	114	158	183	165
90	151	161	121	190	146	162
91	301	159	127	172	180	140
92	118	95	100	164	156	129

TABLE AII. 206

CREATININE CLEARANCE: FLIGHT 2
(ml/min)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
23	166	182	117	121	186	---
24	174	128	109	115	167	136
25	162	---	92	159	174	170
26	172	195	96	90	153	140
27	---	167	86	98	152	150
28	244	239	---	158	143	139
29	130	---	61	118	168	156
30	158	131	110	134	173	151
31	158	119	107	119	152	184
32	126	134	121	107	171	180
33	361	130	114	87	168	136
34	194	134	137	146	177	138
35	152	128	99	100	193	163
36	94	186	51	68	186	177
37	169	144	124	130	245	121
38	179	137	124	118	179	176
39	140	64	96	89	133	110
40	170	169	146	110	205	150
41	195	186	151	114	190	203
42	141	---	115	117	179	193
43	136	174	114	129	164	154
44	156	162	176	150	207	185
93	---	121	123	120	130	149
94	---	152	120	149	110	151
95	---	158	120	199	164	123

TABLE AII. 207

CREATININE CLEARANCE: FLIGHT 3
(ml/min)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
45	189	182	124	156	181	195
46	162	151	97	99	148	154
47	180	166	84	---	---	256
49	195	188	99	94	198	165
50	154	152	94	102	257	163
51	---	136	124	156	171	71
52	155	134	94	123	137	158
53	216	174	122	138	182	182
54	259	211	171	164	179	195
55	154	95	95	150	146	155
56	168	167	110	145	165	132

TABLE AII. 207 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
57	---	178	124	149	211	221
58	---	164	---	83	117	189
59	---	---	150	90	197	---
60	---	156	101	---	152	161
61	---	---	127	132	61	160
48	---	107	110	109	198	225
62	---	112	83	86	96	151
63	---	148	143	145	40	160
64	---	204	169	130	48	170
65	---	196	143	129	211	243
66	159	---	121	161	136	184
96	138	90	106	165	122	---
97	---	146	145	188	142	155
98	150	148	135	177	111	118

TABLE AII. 208

CREATININE CLEARANCE: FLIGHT 4
(ml/min)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
68	---	285	96	---	---	165
69	138	225	103	88	155	114
70	166	148	88	116	121	140
71	152	120	89	112	134	130
72	193	181	106	100	164	152
73	164	146	97	149	143	123
74	113	182	76	148	131	144
75	118	139	79	139	112	116
76	180	102	116	141	124	123
77	189	158	130	119	132	139
78	167	208	124	160	160	140
79	127	129	106	158	141	153
80	180	208	86	159	176	141
81	139	165	88	137	181	124
82	196	270	99	153	191	174
83	---	168	82	132	176	145
84	---	194	80	132	186	137
85	164	139	123	128	138	133
86	153	141	98	153	129	130
87	173	---	111	177	131	151
88	172	---	105	152	157	131
99	375	148	---	197	141	111
100	---	---	198	209	138	---
101	148	82	129	175	128	97

TABLE AII. 209

URINE/SERUM OSMOTIC RATIO: FLIGHT 1

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
1	----	2.61	----	----	----	0.95
2	0.76	2.30	2.65	2.95	3.97	2.34
3	----	2.28	2.47	1.00	3.13	1.53
4	0.67	1.04	2.56	----	----	0.98
5	----	1.26	2.81	1.51	1.97	0.98
6	1.27	2.78	2.67	2.28	2.60	2.58
7	2.27	1.67	2.06	0.84	3.02	2.47
8	3.42	----	----	2.30	2.55	3.62
9	3.74	2.54	1.54	0.91	1.75	2.17
10	----	0.93	0.62	1.16	4.11	1.89
11	3.54	2.56	2.65	2.36	2.95	2.40
12	1.88	2.60	3.38	3.38	2.61	1.62
13	1.20	2.79	1.67	2.59	3.06	2.46
14	1.66	2.17	1.76	1.93	1.96	2.51
15	0.96	1.45	1.24	1.36	1.79	1.76
16	----	2.76	----	1.20	3.08	2.53
17	0.94	1.16	3.44	3.12	2.95	0.95
18	----	3.67	3.45	2.43	1.81	0.98
19	1.88	1.83	0.75	1.35	2.00	2.12
20	----	1.53	2.55	1.49	1.35	1.08
21	0.95	1.10	1.00	2.58	1.50	1.99
22	1.02	1.73	0.64	0.79	0.70	1.08
90	4.12	2.30	2.54	2.55	2.01	1.15
91	3.56	1.78	3.25	2.78	2.86	2.18
92	4.24	3.17	3.44	3.08	2.63	3.01

TABLE AII. 210

URINE/SERUM OSMOTIC RATIO: FLIGHT 2

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
23	1.32	1.77	3.65	2.91	2.91	----
24	2.44	3.05	4.31	4.12	1.45	2.35
25	3.20	----	3.85	4.35	3.63	2.79
26	4.20	2.16	3.54	3.21	3.71	3.59
27	----	1.48	3.29	2.78	2.00	1.65
28	1.91	1.71	3.44	1.48	2.63	2.98
29	4.17	----	3.43	1.89	3.54	3.36
30	2.95	1.36	2.96	3.03	2.21	2.99
31	3.41	1.37	4.33	3.18	3.17	2.86
32	2.55	2.91	2.84	1.93	2.29	2.37
33	3.88	3.44	3.40	3.19	2.16	1.55
34	2.14	3.68	4.52	3.38	2.02	2.78
35	3.45	2.42	4.27	3.50	3.20	3.08

TABLE AII. 210 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
36	3.22	4.18	4.33	3.02	4.20	2.72
37	2.76	3.61	3.99	2.96	3.52	1.36
38	2.27	2.21	2.04	1.86	1.88	1.76
39	1.65	1.50	2.44	2.15	1.50	1.27
40	2.24	2.62	3.65	3.65	2.86	2.66
41	1.80	1.93	2.38	2.35	1.86	1.46
42	3.90	----	3.99	3.44	2.02	2.04
43	3.35	3.51	3.76	3.62	2.83	2.67
44	4.09	3.76	3.34	3.95	3.34	3.14
93	----	0.80	1.08	2.57	2.14	2.83
94	----	3.32	3.63	1.83	3.10	2.91
95	----	1.31	1.55	0.93	2.45	2.14

TABLE AII. 211

URINE/SERUM OSMOTIC RATIO: FLIGHT 3

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
45	1.27	3.20	1.06	0.34	2.86	2.24
46	1.19	3.11	3.15	1.37	2.24	2.05
47	2.42	1.68	3.53	----	----	2.56
49	1.75	2.38	2.92	0.76	2.60	2.53
50	1.37	1.76	1.19	0.94	2.75	3.23
51	----	0.75	2.52	1.01	1.46	2.72
52	3.21	2.51	0.77	1.23	1.53	2.05
53	3.48	2.92	2.84	2.60	2.99	2.70
54	4.46	2.34	2.20	2.48	2.02	2.20
55	1.60	0.45	2.07	2.17	3.28	3.15
56	1.97	1.30	1.07	1.18	2.84	3.34
57	3.22	1.43	2.50	1.29	2.64	3.32
58	----	1.43	----	0.88	3.26	3.86
59	----	----	1.93	0.88	1.07	----
60	----	1.49	----	----	----	1.93
61	----	----	1.71	0.72	1.33	0.91
48	----	1.14	0.94	1.09	3.18	1.30
62	----	1.91	2.55	0.84	3.16	2.90
63	----	1.90	2.73	1.03	2.78	1.27
64	----	1.22	2.72	2.41	1.44	2.86
65	----	1.64	3.17	1.87	3.36	0.93
66	3.26	----	3.40	3.13	2.79	2.87
96	2.99	1.02	3.90	0.77	3.03	----
97	----	2.99	3.49	1.56	2.97	3.31
98	2.88	3.43	2.31	1.44	1.61	1.62

TABLE AII. 212

URINE/SERUM OSMOTIC RATIO: FLIGHT 4

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
68	----	2.11	2.90	----	----	3.47
69	2.91	2.68	3.09	1.43	2.57	2.30
70	3.51	3.93	4.19	2.48	3.51	3.60
71	3.22	2.61	2.85	2.66	2.82	2.61
72	3.08	2.13	2.99	2.94	2.07	0.96
73	2.24	2.22	1.92	1.68	2.19	2.26
74	3.48	1.81	2.81	1.39	3.16	3.34
75	2.92	2.98	4.19	3.85	1.97	3.22
76	3.85	2.72	4.23	4.24	2.12	1.76
77	2.60	1.55	3.06	2.87	1.41	1.82
78	1.02	2.49	3.80	3.64	1.53	1.53
79	2.17	0.80	3.14	2.83	2.81	2.26
80	4.28	3.85	3.32	2.76	2.02	2.88
81	2.88	2.72	3.56	3.51	2.07	2.84
82	2.92	1.84	3.51	3.63	1.17	1.14
83	----	1.19	3.76	1.24	1.48	0.80
84	----	2.44	3.31	3.69	2.10	2.73
85	1.10	2.79	3.79	3.99	1.29	1.40
86	2.64	1.59	3.69	3.59	1.53	1.58
87	3.29	----	3.61	4.12	1.26	1.71
88	1.94	----	3.69	3.77	0.82	0.77
99	3.52	2.54	3.08	0.68	3.37	2.07
100	----	----	1.58	0.72	3.26	----
101	2.33	1.92	2.13	0.58	1.93	1.59

TABLE AII. 213

OSMOTIC CLEARANCE: FLIGHT 1
(ml/min)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
1	----	3.03	----	----	----	4.08
2	2.92	3.22	1.88	1.65	5.00	4.68
3	----	3.05	1.26	2.11	4.41	6.27
4	2.61	2.28	1.51	----	----	4.60
5	----	2.57	1.04	0.63	5.02	4.52
6	3.59	2.08	0.77	0.50	4.45	4.54
7	2.32	2.31	0.86	0.79	6.01	4.72
8	1.92	----	----	0.64	6.10	4.82
9	2.81	1.60	2.25	1.76	5.97	7.75
10	----	3.57	2.42	2.84	4.07	5.82
11	3.44	2.02	2.94	2.38	4.52	3.24
12	3.16	3.04	6.28	2.53	2.04	4.18
13	4.78	3.15	2.57	1.32	4.56	5.04

TABLE AII. 213 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
14	4.02	3.02	2.13	1.99	7.02	7.05
15	3.35	2.09	2.31	1.66	5.17	3.61
16	----	2.37	----	4.46	4.50	7.56
17	2.13	2.16	1.20	1.15	5.08	4.22
18	----	0.88	1.07	1.43	5.70	1.54
19	4.54	1.89	2.71	2.80	5.88	6.04
20	----	7.93	2.91	4.68	6.19	3.90
21	1.91	1.41	3.18	1.83	4.28	2.65
22	4.07	2.01	3.09	2.70	4.91	3.95
90	2.88	3.79	2.03	2.19	1.63	3.37
91	5.66	3.33	2.76	2.92	4.00	3.27
92	2.88	2.28	2.86	2.25	2.18	2.05

TABLE AII. 214

OSMOTIC CLEARANCE: FLIGHT 2
(ml/min)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
23	5.00	4.53	1.82	1.37	2.41	----
24	5.02	2.26	1.55	1.24	5.03	3.46
25	2.66	----	1.27	1.61	2.22	6.56
26	3.28	3.67	2.12	1.74	3.08	4.67
27	----	3.82	1.15	0.86	4.08	3.00
28	5.40	5.20	1.51	0.55	3.42	2.32
29	1.50	----	0.27	0.76	3.40	3.46
30	2.18	2.24	0.83	0.70	3.62	2.48
31	3.07	2.67	2.77	1.91	4.88	4.40
32	2.55	1.92	2.44	1.62	3.80	3.70
33	3.49	2.37	2.55	3.22	4.94	4.79
34	3.21	2.98	3.63	2.81	4.94	5.00
35	2.90	2.47	1.49	1.50	2.50	3.20
36	0.84	4.30	1.13	0.91	3.49	4.30
37	2.60	3.39	2.12	2.01	4.22	2.20
38	3.14	2.63	2.06	1.84	3.23	3.08
39	2.28	1.46	1.17	1.07	3.43	1.30
40	2.17	2.72	1.75	1.57	4.09	2.50
41	3.35	4.52	2.55	1.95	3.42	4.32
42	2.50	----	2.35	2.00	2.66	3.30
43	2.61	2.28	3.12	2.28	2.43	2.43
44	2.13	2.37	3.34	2.96	3.01	2.26
93	----	2.12	2.45	2.31	2.25	1.76
94	----	1.43	2.18	4.10	1.71	1.75
95	----	2.40	2.87	2.87	2.03	1.46

TABLE AII. 215

OSMOTIC CLEARANCE: FLIGHT 3
(ml/min)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
45	4.25	1.89	2.52	1.46	5.92	4.24
46	3.52	2.33	1.95	1.16	5.16	3.01
47	2.97	3.07	1.02	----	----	4.94
49	3.83	2.76	0.73	0.65	5.20	3.69
50	3.29	2.99	0.90	0.60	9.70	3.23
51	----	1.81	0.92	0.70	3.27	1.36
52	2.76	1.88	0.80	0.68	3.82	3.18
53	5.84	2.63	3.24	2.52	6.52	3.94
54	3.48	2.60	2.84	2.55	4.36	2.68
55	3.23	1.29	5.55	2.78	3.77	3.15
56	3.82	2.60	3.21	2.90	4.43	2.44
57	4.70	3.32	1.55	1.99	7.00	5.14
58	----	2.50	----	1.23	3.29	2.90
59	----	----	1.78	1.50	7.70	----
60	----	3.17	----	----	----	3.84
61	----	----	1.57	1.79	1.93	4.36
48	----	3.57	1.65	1.31	5.25	5.37
62	----	2.71	1.45	1.56	2.75	3.60
63	----	2.96	1.99	2.77	0.86	3.16
64	----	4.38	2.34	2.63	1.15	3.63
65	----	3.20	2.60	2.37	5.58	4.44
66	2.12	----	2.41	2.13	4.18	4.42
96	2.60	1.27	1.91	3.09	2.76	----
97	----	1.50	2.69	2.51	2.35	1.92
98	1.96	2.71	2.84	3.23	2.04	2.46

TABLE AII. 216

OSMOTIC CLEARANCE: FLIGHT 4
(ml/min)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
68	----	4.68	1.94	----	----	4.36
69	2.04	2.68	1.79	1.11	6.20	3.86
70	2.91	1.97	1.42	0.89	3.76	2.59
71	2.54	1.51	0.97	0.74	3.72	2.77
72	2.52	1.96	0.99	0.74	4.95	2.63
73	2.35	2.60	0.48	0.60	4.88	2.46
74	1.85	3.60	0.62	0.51	3.98	3.54
75	0.96	1.67	2.01	2.16	2.76	2.99
76	1.92	1.47	2.79	2.25	4.54	2.99
77	2.76	2.51	3.83	2.73	6.34	2.80
78	2.32	3.26	3.46	3.49	3.58	2.80

TABLE AII. 216 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
79	2.32	1.74	1.79	1.53	4.94	2.94
80	2.40	2.08	1.46	1.77	4.73	2.91
81	2.08	2.72	1.71	1.76	5.22	2.98
82	3.01	4.73	1.68	2.25	5.58	2.69
83	----	2.40	1.17	1.61	4.65	2.68
84	----	1.54	0.99	1.25	4.43	1.99
85	2.38	1.34	2.01	2.03	2.08	2.72
86	1.53	1.80	2.55	1.80	2.98	1.99
87	3.69	----	2.96	2.88	3.46	2.80
88	6.67	----	2.62	2.26	3.31	2.38
99	4.78	1.98	1.51	2.07	1.65	1.66
100	----	----	4.77	3.17	1.70	----
101	0.86	1.08	2.15	2.42	1.23	1.50

TABLE AII. 217

RESTING PULMONARY VENTILATION: FLIGHT 1
(L/m²/min)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
1	4.36	4.12	----	----	----	5.27
2	3.93	3.20	3.26	2.39	3.35	4.71
3	----	2.95	3.23	3.19	2.78	5.20
4	3.45	3.48	3.70	----	----	5.44
5	3.35	3.16	3.00	2.73	2.77	4.15
6	4.56	4.34	4.20	3.80	4.54	4.93
7	3.01	3.17	3.22	3.08	2.94	4.57
8	2.93	3.32	----	3.38	3.27	4.26
9	3.49	3.10	3.66	3.06	2.88	5.60
10	3.47	3.14	3.93	3.21	3.59	5.97
11	3.63	4.38	2.77	2.86	4.50	4.62
12	3.09	3.13	3.13	3.06	3.16	4.00
13	3.65	4.12	3.90	3.11	4.25	4.76
14	3.65	3.87	3.48	3.64	4.07	4.97
15	3.58	4.08	2.98	3.33	3.24	4.06
16	4.48	3.97	----	2.94	3.20	4.02
17	4.52	5.30	3.57	3.44	3.28	5.41
18	5.47	4.54	3.75	3.83	4.87	5.92
19	5.07	4.58	3.85	3.43	4.04	5.00
20	----	3.58	3.29	3.35	4.37	4.60
21	4.74	3.86	3.78	3.34	4.24	4.14
22	2.97	3.69	3.55	3.14	3.30	4.36
90	3.98	4.24	4.64	3.92	5.36	5.24
91	3.97	3.56	3.97	3.50	3.77	4.36
92	2.81	3.48	----	3.42	3.52	2.90

TABLE AII. 218

RESTING PULMONARY VENTILATION: FLIGHT 2
(L/m²/min)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
23	4.17	----	3.69	3.10	3.98	5.44
24	4.08	4.52	3.73	2.89	4.03	4.44
25	4.26	4.88	4.98	2.85	4.74	5.40
26	----	4.52	4.72	3.14	4.74	6.37
27	3.70	4.34	3.56	3.43	4.81	5.31
28	3.65	4.22	2.70	3.10	3.87	4.51
29	4.00	4.64	3.48	3.13	4.66	4.18
30	4.48	5.46	3.61	3.70	3.86	4.74
31	3.99	4.40	3.42	3.18	3.04	4.97
32	3.49	4.48	2.85	2.70	3.50	5.58
33	4.79	5.78	3.16	3.28	4.06	5.09
34	3.47	4.61	3.07	2.66	3.87	4.50
35	3.58	4.62	3.00	3.15	3.70	4.74
36	3.30	3.41	2.71	2.70	4.24	5.06
37	----	----	4.28	2.94	3.47	4.11
38	3.73	3.25	3.00	2.63	4.17	----
39	6.05	5.23	3.33	3.27	4.95	5.97
40	3.48	3.67	3.12	3.00	4.00	4.84
41	5.12	3.40	3.22	3.09	2.92	4.33
42	4.14	----	2.85	3.29	3.29	4.35
43	3.07	3.36	3.04	2.86	2.50	3.42
44	5.78	5.68	----	4.57	4.34	5.85
93	3.30	3.67	3.84	3.85	4.06	3.67
94	3.70	3.71	3.06	2.58	3.00	3.64
95	3.38	4.46	3.97	3.67	3.42	3.78

TABLE AII. 219

RESTING PULMONARY VENTILATION: FLIGHT 3
(L/m²/min)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
45	3.66	3.33	2.90	2.17	3.16	4.66
46	4.50	4.62	3.78	3.12	3.73	5.02
47	3.23	3.46	2.51	----	----	5.30
49	4.02	4.14	3.51	3.55	4.54	5.71
50	3.26	3.51	3.10	2.88	3.41	4.44
51	2.97	4.03	2.90	3.19	3.98	3.70
52	2.89	2.95	2.62	2.52	3.82	3.66
53	3.32	3.37	3.08	3.36	4.30	4.26
54	4.15	3.96	3.35	3.11	3.72	4.75
55	4.24	4.99	4.11	3.75	4.10	5.00
56	3.77	4.25	3.62	3.89	4.99	4.72

TABLE AII. 219 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
57	----	4.06	3.52	3.07	5.05	5.15
58	3.70	3.80	4.11	3.51	4.50	5.13
59	----	4.65	3.74	3.47	3.97	5.42
60	3.49	3.27	3.22	----	----	4.72
61	3.55	----	3.10	3.18	4.76	4.94
62	3.38	3.97	2.70	3.35	3.85	4.80
63	3.25	4.38	3.20	3.45	4.92	----
64	3.67	4.08	2.96	3.47	4.10	4.30
65	3.62	4.83	3.60	3.72	5.27	5.44
66	4.52	4.70	4.00	3.56	4.00	----
96	3.41	3.04	3.77	2.66	2.88	----
97	3.16	3.37	3.35	3.60	3.35	3.87
98	2.93	3.28	3.86	2.93	3.22	3.54
98	3.34	3.63	4.24	----	3.44	3.69

TABLE AII. 220

RESTING PULMONARY VENTILATION: FLIGHT 4
(L/m²/min)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
68	3.35	3.95	3.05	----	----	5.08
69	4.53	5.64	3.32	2.91	4.66	5.02
70	3.07	3.99	3.08	2.72	4.08	4.02
71	3.15	3.96	2.82	2.68	3.86	4.53
72	3.55	4.48	3.08	2.70	3.97	4.77
73	4.20	5.35	4.83	3.56	4.34	4.28
74	4.34	4.24	2.81	3.11	4.27	4.52
75	3.27	3.58	3.11	2.87	4.25	4.02
76	4.10	5.52	4.04	3.38	4.65	6.00
77	4.84	6.12	3.94	2.98	4.81	5.04
78	4.37	4.31	3.76	3.66	5.31	4.62
79	4.58	5.14	3.44	3.26	4.02	5.72
80	3.70	4.08	3.13	3.13	4.60	5.27
81	3.65	4.80	3.92	----	4.15	4.08
82	3.37	4.39	3.23	3.29	4.34	4.42
83	3.78	3.76	3.04	3.26	3.97	4.46
84	3.32	3.93	3.09	2.81	4.24	4.72
85	3.71	4.25	3.44	3.28	3.80	4.22
86	4.34	5.62	4.37	4.37	4.73	5.20
87	3.84	4.64	4.28	5.10	4.37	4.55
88	4.82	5.40	5.05	4.33	5.25	5.04
99	3.13	2.57	2.84	2.82	2.44	2.78
100	3.24	4.70	3.58	3.38	4.42	3.83
101	3.22	3.91	4.60	4.40	3.57	3.76

TABLE AII. 221

RESTING OXYGEN CONSUMPTION: FLIGHT 1
(ml/m²/min)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
1	---	133	---	---	---	158
2	153	138	106	96	125	145
3	---	142	125	144	132	135
4	149	123	128	---	---	148
5	146	144	125	135	105	145
6	139	138	137	122	129	129
7	(125)	121	116	107	102	143
8	114	133	---	115	117	104
9	162	143	155	121	117	137
10	(131)	103	119	167	118	121
11	138	121	149	124	130	114
12	149	122	150	158	137	110
13	161	154	147	141	150	120
14	139	120	112	107	141	---
15	186	129	142	123	140	94
16	(195)	157	---	152	159	96
17	132	183	121	125	130	---
18	147	171	104	179	146	---
19	148	184	123	135	134	---
20	---	128	122	145	149	---
21	126	165	140	144	145	123
22	130	145	119	121	150	110
90	134	132	127	138	146	155
91	120	105	131	114	116	---
92	164	184	---	140	149	129

TABLE AII. 222

RESTING OXYGEN CONSUMPTION: FLIGHT 2
(ml/m²/min)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
23	140	---	123	---	88	106
24	164	153	126	73	103	113
25	144	103	106	103	---	136
26	---	133	139	76	111	112
27	---	186	183	---	151	166
28	172	(186)	140	77	117	131
29	139	(148)	123	76	144	197
30	(170)	(184)	(151)	67	112	135
31	148	(181)	158	89	118	120
32	145	(179)	148	115	105	---
33	192	79	160	173	158	165

TABLE AII. 222 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
34	147	162	107	109	186	138
35	149	120	118	102	130	105
36	121	132	144	110	135	138
37	---	---	133	124	95	153
38	154	181	163	115	132	---
39	139	92	145	123	---	175
40	128	100	127	106	96	123
41	157	110	131	106	97	155
42	156	---	116	123	104	148
43	227	(145)	150	147	87	150
44	177	146	---	163	119	160
93	130	90	141	154	127	126
94	157	155	123	104	124	119
95	120	133	137	---	108	116

TABLE AII. 223

RESTING OXYGEN CONSUMPTION: FLIGHT 3
(ml/m²/min)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
45	179	147	147	120	172	148
46	148	132	152	168	175	199
47	149	156	(130)	---	---	161
49	133	143	132	102	168	145
50	142	123	102	105	148	155
51	155	152	120	106	166	141
52	101	142	141	(103)	168	---
53	---	134	148	133	191	191
54	112	141	162	127	145	133
55	---	108	147	157	127	137
56	---	119	126	143	145	99
57	---	124	137	118	141	---
58	---	129	134	138	140	129
59	---	144	124	112	149	147
60	147	139	167	---	---	107
61	160	---	115	137	154	113
48	140	163	(104)	118	171	158
62	139	170	158	127	(141)	---
63	131	120	109	93	(96)	132
64	(149)	136	116	101	130	---
65	154	150	119	128	144	---
66	142	125	147	138	144	---
96	110	132	126	128	166	168
97	121	113	145	122	149	99
98	146	156	161	---	122	126

TABLE AII. 224

RESTING OXYGEN CONSUMPTION: FLIGHT 4
(ml/m²/min)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
68	92	113	99	---	---	139
69	151	135	120	77	136	---
70	113	113	96	87	114	---
71	96	93	103	93	131	---
72	180	155	149	75	100	131
73	102	126	83	73	96	---
74	146	136	118	66	100	---
75	154	115	115	92	88	---
76	(119)	165	130	71	103	---
77	188	132	184	106	156	---
78	164	146	165	75	104	---
79	155	160	(119)	84	110	---
80	124	125	130	80	130	---
81	117	117	146	---	117	96
82	151	(134)	144	102	110	169
83	183	102	134	96	135	125
84	147	102	105	108	124	112
85	(147)	---	161	92	135	99
86	161	---	130	90	142	120
87	143	---	137	84	133	115
88	152	---	146	83	141	121
99	117	86	117	99	93	---
100	132	123	151	110	147	---
101	146	116	110	---	136	---

TABLE AII. 225

RESTING CARBON DIOXIDE PRODUCTION: FLIGHT 1
(ml/m²/min)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
1	---	114	---	---	---	102
2	119	90	152	65	106	120
3	---	78	94	103	86	86
4	123	106	128	---	---	133
5	131	111	135	124	86	115
6	171	119	140	55	124	98
7	107	102	124	115	109	164
8	104	103	---	139	101	109
9	146	110	150	124	100	183
10	113	110	119	109	96	235
11	113	140	125	96	124	126
12	143	121	125	108	116	131

TABLE AII. 225 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
13	144	150	129	109	116	190
14	122	102	114	86	116	---
15	144	144	129	106	129	77
16	167	168	---	114	141	120
17	132	147	112	104	115	---
18	121	146	108	173	119	---
19	138	150	111	116	124	---
20	---	101	107	116	133	---
21	108	143	124	118	122	174
22	96	124	126	109	103	95
90	97	119	150	130	142	83
91	105	116	142	102	86	---
92	133	161	---	140	135	114

TABLE AII. 226

RESTING CARBON DIOXIDE PRODUCTION: FLIGHT 2
(ml/m²/min)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
23	118	---	88	---	74	117
24	159	121	100	44	93	160
25	115	106	109	50	---	172
26	---	110	114	55	92	128
27	---	98	127	---	91	162
28	143	136	140	93	105	145
29	147	108	151	98	87	190
30	146	134	151	60	88	144
31	144	132	197	106	61	150
32	140	130	104	109	89	206
33	158	63	168	103	123	162
34	115	100	129	81	107	175
35	134	108	133	78	106	144
36	104	84	116	82	129	159
37	---	---	119	89	81	144
38	121	137	130	107	102	---
39	120	53	131	98	---	94
40	(111)	71	117	101	69	82
41	162	84	129	106	78	166
42	114	---	119	120	96	149
43	175	106	154	113	82	122
44	121	92	---	149	79	119
93	83	73	129	101	88	108
94	146	88	141	84	100	157
95	117	109	130	---	85	114

TABLE AII. 227

RESTING CARBON DIOXIDE PRODUCTION: FLIGHT 3
(ml/m²/min)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
45	105	117	141	70	127	109
46	142	152	158	107	142	169
47	92	124	135	---	---	110
49	106	129	103	127	134	141
50	82	117	111	130	121	128
51	(121)	119	130	122	148	90
52	(79)	126	113	110	125	134
53	---	125	131	117	160	149
54	(87)	136	145	118	143	131
55	---	113	100	106	113	144
56	---	148	98	125	149	120
57	---	118	84	96	163	---
58	---	141	96	75	153	172
59	---	148	137	111	168	206
60	101	111	103	---	---	74
61	109	---	97	103	143	77
48	116	148	100	126	133	120
62	105	136	(152)	100	117	---
63	117	114	92	113	160	127
64	116	146	92	87	120	---
65	137	138	127	105	154	---
66	117	102	154	113	130	---
96	108	106	157	136	108	116
97	96	115	150	128	130	98
98	127	134	108	---	98	102

TABLE AII. 228

RESTING CARBON DIOXIDE PRODUCTION: FLIGHT 4
(ml/m²/min)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
68	101	115	54	---	---	257
69	(113)	158	63	41	97	---
70	80	137	59	51	121	194
71	60	116	79	56	105	135
72	99	163	69	54	99	212
73	69	167	97	93	85	186
74	102	189	83	86	98	---
75	114	142	87	72	98	---
76	89	178	70	73	84	---
77	121	171	114	84	119	125
78	119	135	112	72	110	107

TABLE AII. 228 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
79	125	190	106	93	89	121
80	90	128	96	60	73	121
81	101	159	116	---	98	116
82	112	152	138	61	88	107
83	188	95	94	61	111	126
84	129	85	77	56	98	116
85	110	---	88	58	89	57
86	131	---	119	53	91	107
87	107	---	138	109	95	99
88	91	---	124	88	89	103
99	86	78	110	69	67	---
100	101	159	113	81	88	---
101	100	124	79	---	94	---

TABLE AII. 229

RESTING METABOLIC RATE: FLIGHT 1
(Cal/m²/hr)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
1	---	42	---	---	---	46
2	45	44	31	28	37	42
3	--	42	37	38	39	39
4	43	36	37	--	--	43
5	43	42	37	39	31	42
6	41	40	40	35	38	38
7	36	35	34	30	30	42
8	34	39	--	33	34	32
9	47	42	45	35	34	40
10	(38)	33	36	49	35	35
11	40	35	44	36	38	33
12	43	36	44	47	40	32
13	48	45	43	41	44	35
14	40	35	33	31	41	--
15	55	38	41	36	41	27
16	(57)	46	--	45	47	28
17	39	54	35	36	38	--
18	42	49	30	52	42	--
19	43	54	36	39	39	--
20	--	38	36	42	43	--
21	37	48	41	42	42	36
22	38	42	35	35	43	32
90	40	38	37	40	42	41
91	36	31	38	33	34	--
92	48	54	--	41	44	38

TABLE AII. 230

RESTING METABOLIC RATE: FLIGHT 2
(Cal/m²/hr)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
23	41	--	36	--	26	31
24	48	44	37	21	30	33
25	42	30	30	30	--	40
26	--	39	39	22	32	32
27	--	54	53	--	44	48
28	50	(54)	40	22	34	38
29	40	(43)	36	22	42	57
30	(50)	(54)	44	20	33	39
31	43	(53)	46	26	35	35
32	43	(52)	43	34	30	--
33	56	23	47	58	46	48
34	43	47	31	32	54	40
35	44	35	34	30	38	31
36	35	38	42	32	39	40
37	--	--	39	36	28	45
38	45	53	48	34	39	--
39	41	27	42	36	--	51
40	37	29	38	31	28	36
41	46	32	38	31	28	45
42	45	--	34	36	30	43
43	67	(42)	44	43	25	44
44	57	42	--	48	34	47
93	38	26	41	45	37	37
94	45	46	36	31	36	38
95	35	39	40	--	31	34

TABLE AII. 231

RESTING METABOLIC RATE: FLIGHT 3
(Cal/m²/hr)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
45	53	43	43	35	50	43
46	43	38	44	49	51	58
47	43	46	(38)	--	--	47
49	39	42	38	30	49	42
50	41	36	30	31	43	45
51	45	44	35	31	48	41
52	33	41	41	(30)	49	--
53	--	39	43	39	56	55
54	33	41	48	37	42	39
55	--	31	43	46	37	40
56	--	35	37	43	42	29

TABLE AII. 231 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
57	--	36	40	35	41	--
58	--	38	39	40	41	37
59	--	42	36	33	44	43
60	43	40	49	--	--	32
61	47	--	33	40	45	33
48	41	48	(31)	34	50	46
62	41	50	46	37	(41)	--
63	38	35	32	27	(28)	39
64	(43)	40	34	29	38	--
65	45	44	35	37	42	--
66	41	36	43	40	42	--
96	32	39	37	38	48	49
97	35	33	42	35	43	29
98	43	46	47	--	36	37

TABLE AII. 232

RESTING METABOLIC RATE: FLIGHT 4
(Cal/m²/hr)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
68	27	33	29	--	--	41
69	44	39	35	22	40	--
70	32	33	28	25	33	--
71	28	27	30	27	38	--
72	53	45	43	22	29	38
73	33	37	24	21	28	--
74	43	40	34	19	29	--
75	45	34	34	27	26	--
76	(35)	48	38	21	30	--
77	55	39	53	31	45	--
78	48	42	48	22	30	--
79	45	47	(35)	25	32	--
80	36	37	38	23	38	--
81	34	34	43	--	34	28
82	44	(39)	42	30	32	49
83	54	30	39	28	39	37
84	43	30	31	31	36	33
85	(43)	--	47	27	39	29
86	47	--	38	26	41	35
87	42	--	40	25	39	33
88	44	--	43	25	41	35
99	34	25	34	29	27	--
100	39	36	44	32	43	--
101	43	34	32	--	40	--

TABLE AII. 233

RESTING RESPIRATORY QUOTIENT: FLIGHT 1

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
1	----	0.86	----	----	----	0.71
2	0.77	0.65	1.44	0.66	0.84	0.83
3	----	0.55	0.75	0.72	0.65	0.64
4	0.82	0.88	1.00	----	----	0.90
5	0.90	0.77	1.08	0.92	0.82	0.80
6	1.03	0.86	1.02	0.45	0.96	0.76
7	(0.86)	0.83	1.08	1.07	1.07	1.14
8	0.90	0.78	----	1.21	0.87	1.11
9	0.89	0.78	0.97	1.02	0.85	1.34
10	(0.86)	0.98	0.99	0.65	0.81	1.94
11	0.82	1.10	0.84	0.78	0.96	1.11
12	0.96	1.00	0.83	0.69	0.85	1.19
13	0.89	0.97	0.88	0.77	0.77	1.60
14	0.88	0.86	1.02	0.81	0.82	----
15	0.77	1.12	0.91	0.86	0.92	0.82
16	(0.86)	1.07	----	0.75	0.89	1.25
17	1.00	0.80	0.93	0.83	0.89	----
18	0.83	0.86	1.04	0.97	0.81	----
19	0.93	0.82	0.90	0.86	0.93	----
20	----	0.79	0.87	0.78	0.89	----
21	0.86	0.87	0.88	0.82	0.84	1.41
22	0.74	0.86	1.06	0.96	0.68	0.87
90	0.72	0.93	1.18	0.94	0.97	0.54
91	0.87	1.10	1.08	0.89	0.75	----
92	0.81	0.87	----	1.00	0.90	0.88

TABLE AII. 234

RESTING RESPIRATORY QUOTIENT: FLIGHT 2

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
23	0.85	----	0.72	----	0.85	1.11
24	0.97	0.79	0.79	0.61	0.90	1.41
25	0.80	1.03	1.03	0.49	----	1.26
26	----	0.82	0.82	0.73	0.83	1.15
27	----	0.52	0.70	----	0.60	0.98
28	0.83	(0.73)	1.00	1.22	0.90	1.11
29	1.06	(0.73)	1.23	1.30	0.61	0.96
30	(0.86)	(0.73)	(1.00)	0.90	0.79	1.07
31	0.98	(0.73)	1.25	1.20	0.51	1.25
32	0.97	(0.73)	0.70	0.95	0.85	----
33	0.81	0.85	1.05	0.65	0.78	1.01
34	0.78	0.62	1.21	0.74	0.58	1.27
35	0.90	0.90	1.13	0.76	0.81	1.37

TABLE AII. 234 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
36	0.86	0.64	0.80	0.75	0.95	1.15
37	----	----	0.90	0.72	0.85	0.94
38	0.79	0.47	0.80	0.92	0.77	----
39	0.87	0.63	0.91	0.80	----	0.53
40	(0.86)	0.71	0.91	0.95	0.72	0.67
41	1.03	0.77	0.99	1.00	0.80	1.07
42	0.73	----	1.02	0.98	0.92	1.01
43	0.77	(0.73)	1.02	0.77	0.94	0.82
44	0.68	0.63	----	0.85	0.66	0.75
93	0.64	0.81	0.91	0.65	0.69	0.86
94	0.93	0.57	1.15	0.81	0.81	1.22
95	0.97	0.82	0.95	----	0.79	0.98

TABLE AII. 235

RESTING RESPIRATORY QUOTIENT: FLIGHT 3

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
45	0.60	0.79	0.96	0.59	0.74	0.74
46	0.96	1.16	(1.04)	0.63	0.81	0.85
47	0.62	0.79	(1.04)	----	----	0.68
49	0.80	0.90	0.78	1.25	0.80	0.97
50	0.58	0.95	1.09	1.24	0.82	0.83
51	(0.78)	0.79	1.09	1.15	0.89	0.77
52	(0.78)	0.89	0.81	(1.14)	0.74	----
53	----	0.93	0.89	0.88	0.83	0.78
54	(0.78)	0.96	0.90	0.93	0.99	0.99
55	----	1.05	0.68	0.68	0.88	1.05
56	----	1.24	0.78	0.87	1.03	1.22
57	----	0.96	0.62	0.81	1.15	----
58	----	1.09	0.72	0.54	1.10	1.34
59	----	1.03	1.10	0.99	1.13	1.41
60	0.69	0.80	0.62	----	----	0.69
61	0.68	----	0.86	0.75	0.93	0.68
48	0.83	0.90	(0.96)	1.07	0.78	0.76
62	0.75	0.80	(0.96)	0.79	(0.83)	----
63	0.89	0.94	0.91	1.21	(0.91)	0.96
64	(0.78)	1.08	0.80	0.86	0.92	----
65	0.89	0.92	1.06	0.82	1.06	----
66	0.82	0.82	1.05	0.82	0.90	----
96	0.98	0.81	1.25	1.06	0.65	0.69
97	0.79	1.02	1.04	1.05	0.87	0.99
98	0.87	0.85	0.67	----	0.81	0.80

TABLE AII. 236

RESTING RESPIRATORY QUOTIENT: FLIGHT 4

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
68	1.09	1.03	0.58	----	----	1.84
69	(0.75)	1.17	0.53	0.54	0.71	----
70	0.71	1.21	0.61	0.58	1.05	----
71	0.62	1.25	0.76	0.60	0.80	----
72	0.49	1.05	0.47	0.71	0.99	1.82
73	0.61	1.33	1.87	1.28	0.89	----
74	0.70	1.40	0.70	0.72	0.98	----
75	0.74	1.23	0.76	0.79	1.11	----
76	(0.75)	1.08	0.54	1.03	0.82	----
77	0.64	1.29	0.62	0.78	0.76	----
78	0.73	0.91	0.68	0.97	1.06	----
79	0.81	1.19	(0.89)	0.90	0.81	----
80	0.73	1.02	0.74	0.75	0.56	----
81	0.86	1.36	0.80	----	0.84	1.21
82	0.74	(1.13)	0.95	0.60	0.79	0.63
83	1.03	0.93	0.70	0.63	0.82	1.01
84	0.88	0.83	0.73	0.52	0.79	1.03
85	(0.75)	----	0.55	0.63	0.66	0.58
86	0.81	----	0.92	0.58	0.64	0.89
87	0.75	----	1.01	1.30	0.71	0.87
88	0.60	----	0.85	0.95	0.63	0.85
99	0.73	0.90	0.94	0.70	0.72	----
100	0.76	1.30	0.74	0.74	0.60	----
101	0.69	1.07	0.72	----	0.69	----

TABLE AII. 237

RESTING SYSTOLIC BLOOD PRESSURE: FLIGHT 1
(mm Hg)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
1	110	122	---	---	---	110
2	112	120	100	112	120	110
3	110	120	116	110	110	118
4	118	122	120	---	---	110
5	114	118	120	124	120	120
6	116	118	120	118	100	120
7	120	118	120	114	120	124
8	100	---	---	120	120	130
9	112	120	120	110	120	120
10	118	124	116	120	120	130
11	118	115	---	118	110	118
12	134	126	120	130	118	120
13	120	118	130	120	120	112

TABLE AII. 237 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
14	122	124	120	112	130	120
15	100	118	124	110	112	100
16	100	110	---	124	120	120
17	118	118	120	118	124	120
18	98	110	112	118	110	120
19	122	118	126	130	120	120
20	120	120	120	118	124	110
21	114	120	120	110	120	110
22	120	120	116	120	110	110
90	127	122	120	120	118	116
91	140	124	118	120	130	118
92	120	130	122	110	120	120

TABLE AII. 238

RESTING SYSTOLIC BLOOD PRESSURE: FLIGHT 2
(mm Hg)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
23	100	124	118	110	120	130
24	116	122	120	120	120	120
25	110	115	122	118	100	122
26	122	116	118	118	120	110
27	116	118	118	118	120	120
28	140	114	120	120	120	118
29	106	120	113	118	120	110
30	116	120	122	118	120	126
31	104	118	120	110	124	118
32	102	118	120	120	120	120
33	92	122	120	110	120	110
34	102	118	118	120	110	110
35	92	118	120	108	118	120
36	98	122	118	120	120	120
37	104	124	124	118	112	120
38	118	122	124	124	110	118
39	108	118	112	120	120	120
40	126	122	120	110	120	118
41	120	120	120	110	120	116
42	118	---	118	120	120	130
43	120	118	118	110	120	120
44	112	122	124	110	120	120
93	120	122	118	120	122	110
94	118	120	118	110	120	120
95	118	122	118	110	124	130

TABLE AII. 239

RESTING SYSTOLIC BLOOD PRESSURE: FLIGHT 3
(mm Hg)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
45	120	122	118	118	118	120
46	120	118	116	118	120	120
47	120	118	115	---	---	120
49	122	116	117	110	110	110
50	117	116	118	120	120	118
51	126	129	122	120	110	120
52	116	118	118	120	120	120
53	118	120	120	118	120	118
54	122	122	120	120	118	120
55	118	118	120	98	118	110
56	116	112	124	110	120	118
57	124	118	124	114	118	120
58	109	118	120	104	120	118
59	104	118	114	120	118	130
60	121	120	119	---	---	120
61	102	---	120	110	130	120
48	120	116	118	120	130	120
62	102	118	110	120	110	120
63	104	118	120	130	118	120
64	128	122	118	110	118	112
65	114	118	118	110	120	124
66	112	118	120	118	118	130
96	120	120	118	110	124	110
97	120	120	118	110	124	120
98	120	120	120	118	130	124

TABLE AII. 240

RESTING SYSTOLIC BLOOD PRESSURE: FLIGHT 4
(mm Hg)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
68	130	120	122	---	---	110
69	118	120	118	118	120	120
70	120	122	120	120	110	120
71	126	120	124	120	120	110
72	136	123	122	110	130	124
73	124	116	124	110	124	110
74	116	120	124	124	120	110
75	120	118	118	112	110	118
76	118	118	118	110	130	112
77	120	126	118	110	118	110
78	120	124	120	124	118	100

TABLE AII. 240 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
79	120	120	124	110	110	120
80	120	122	120	116	110	110
81	121	118	120	110	120	120
82	114	124	128	120	124	116
83	116	126	130	120	120	120
84	121	124	130	114	120	120
85	122	124	118	120	116	110
86	104	130	120	124	100	108
87	106	122	124	120	110	110
88	122	126	114	110	120	120
99	110	130	122	116	120	130
100	130	118	118	120	118	---
101	120	122	124	110	110	120

TABLE AII. 241

RESTING DIASTOLIC BLOOD PRESSURE: FLIGHT 1
(mm Hg)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
1	70	74	--	--	--	80
2	78	82	70	78	80	70
3	76	90	78	78	80	70
4	76	70	68	--	--	70
5	76	70	68	70	78	78
6	80	70	70	78	80	70
7	82	78	70	78	78	72
8	72	--	--	78	72	70
9	68	78	70	70	78	70
10	76	76	76	78	86	78
11	72	78	--	78	80	70
12	86	76	78	70	60	80
13	72	80	90	70	80	80
14	82	82	78	70	98	80
15	72	72	78	68	80	70
16	--	50	--	78	80	70
17	82	76	78	78	80	70
18	60	58	68	78	78	70
19	82	88	78	70	80	68
20	80	80	74	78	76	80
21	74	78	70	70	80	80
22	76	80	70	70	70	70
90	84	86	70	78	76	70
91	90	86	78	86	80	78
92	78	88	78	70	78	80

TABLE AII. 242

RESTING DIASTOLIC BLOOD PRESSURE: FLIGHT 2
(mm Hg)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
23	72	78	80	78	70	80
24	76	74	78	78	80	78
25	80	75	72	78	80	80
26	84	72	78	70	78	60
27	84	78	70	70	80	78
28	80	67	78	76	78	72
29	68	68	70	70	78	70
30	72	70	70	78	80	80
31	60	72	78	78	70	80
32	64	70	80	78	80	80
33	62	72	70	78	80	70
34	58	70	68	78	78	70
35	54	70	76	70	78	78
36	60	70	70	78	80	80
37	71	80	78	78	78	78
38	80	78	78	78	70	80
39	76	78	70	78	78	70
40	84	74	78	78	70	78
41	84	78	76	78	80	70
42	68	--	78	78	70	80
43	74	72	80	70	78	70
44	78	74	78	70	78	78
93	86	78	70	80	78	70
94	80	78	70	70	80	78
95	80	78	78	70	78	90

TABLE AII. 243

RESTING DIASTOLIC BLOOD PRESSURE: FLIGHT 3
(mm Hg)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
45	78	80	76	78	78	74
46	72	82	70	78	70	70
47	70	76	71	--	--	70
49	80	73	70	68	70	70
50	78	78	74	76	78	80
51	80	76	78	78	70	78
52	76	72	72	78	78	80
53	80	70	78	78	70	70
54	88	70	78	78	78	78
55	82	70	78	78	78	80
56	88	66	70	78	70	70

TABLE AII. 243 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
57	92	70	80	78	78	80
58	71	70	70	70	70	70
59	72	72	70	70	78	70
60	82	84	78	--	--	78
61	66	--	70	70	80	78
48	85	74	78	78	78	74
62	58	72	68	78	70	70
63	68	70	78	78	78	78
64	77	70	78	78	80	70
65	72	68	72	68	80	70
66	72	70	76	68	78	70
96	80	78	70	78	70	80
97	78	78	78	78	72	78
98	70	70	78	78	78	70

TABLE AII. 244

RESTING DIASTOLIC BLOOD PRESSURE: FLIGHT 4
(mm Hg)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
68	98	68	78	--	--	78
69	98	78	72	78	78	80
70	70	72	80	78	80	70
71	80	72	82	78	78	70
72	66	74	78	70	90	80
73	88	71	72	70	80	60
74	78	79	88	78	80	80
75	78	60	64	76	70	70
76	78	72	85	76	80	80
77	78	76	80	80	80	80
78	88	76	70	78	78	70
79	80	72	78	78	80	60
80	78	82	80	78	80	80
81	74	68	70	82	80	80
82	78	72	80	80	78	86
83	71	70	80	78	70	70
84	72	86	88	78	80	80
85	75	72	70	78	80	80
86	78	90	70	78	70	76
87	72	82	70	78	80	90
88	74	70	78	78	74	60
99	78	96	76	78	70	70
100	90	70	70	80	78	--
101	80	74	80	70	70	80

TABLE AII. 245

RESTING PULSE RATE: FLIGHT 1
(beats/min)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
1	76	64	--	--	--	84
2	78	78	48	48	72	92
3	64	52	48	44	60	72
4	60	56	52	--	--	72
5	76	78	52	40	60	80
6	72	84	52	56	60	88
7	60	82	48	44	48	72
8	68	--	--	72	60	68
9	72	52	72	60	72	92
10	68	56	56	60	60	72
11	64	56	--	60	60	92
12	68	64	64	80	52	72
13	84	68	64	52	72	100
14	80	60	52	44	60	76
15	72	68	52	52	60	76
16	64	76	--	60	60	80
17	72	60	44	40	60	68
18	64	60	40	40	52	60
19	68	64	72	68	60	72
20	68	64	60	76	60	76
21	68	64	68	60	60	72
22	76	72	72	68	60	72
90	76	76	68	72	60	72
91	84	76	72	64	76	80
92	56	60	76	60	52	72

TABLE AII. 246

RESTING PULSE RATE: FLIGHT 2
(beats/min)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
23	76	84	66	60	72	88
24	64	68	60	56	76	92
25	60	68	52	44	80	76
26	80	60	48	40	64	72
27	76	68	56	48	60	76
28	80	64	56	48	60	--
29	64	72	60	48	60	72
30	80	64	52	44	52	60
31	48	56	60	48	60	80
32	76	72	60	48	60	80
33	64	76	60	48	44	64

TABLE AII. 246 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
34	64	56	44	48	72	68
35	64	64	52	52	72	80
36	60	56	44	44	60	60
37	64	64	52	56	54	72
38	--	56	48	40	60	60
39	80	60	64	48	68	60
40	64	68	56	52	80	64
41	68	64	72	48	72	80
42	60	--	56	48	60	64
43	68	60	64	52	60	60
44	72	68	60	48	72	60
93	68	72	76	80	72	72
94	72	76	68	60	60	60
95	76	56	88	72	80	84

TABLE AII. 247

RESTING PULSE RATE: FLIGHT 3
(beats/min)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
45	80	68	56	52	64	96
46	72	80	52	52	60	92
47	60	60	48	--	--	88
49	64	76	52	48	60	72
50	72	60	60	60	68	80
51	80	80	64	56	80	72
52	76	80	64	64	72	88
53	72	68	56	52	80	84
54	56	72	76	64	92	72
55	68	72	68	52	84	84
56	68	72	68	72	72	84
57	80	52	60	56	80	96
58	80	72	84	64	60	88
59	64	68	52	56	76	72
60	60	60	52	--	--	72
61	72	--	56	48	72	72
48	60	60	48	36	60	60
62	64	64	48	52	72	84
63	60	60	64	80	60	60
64	64	60	60	52	52	60
65	76	64	80	72	72	84
66	64	60	60	60	56	80
96	72	64	64	60	72	92
97	72	68	72	72	68	69
98	88	80	92	92	80	88

TABLE AII. 248

RESTING PULSE RATE: FLIGHT 4
(beats/min)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
68	72	68	52	--	--	84
69	60	64	64	44	60	60
70	60	56	52	48	60	60
71	60	64	52	44	52	60
72	80	84	60	48	60	60
73	72	72	64	60	72	72
74	78	56	52	56	60	60
75	52	68	60	48	60	60
76	72	60	56	52	76	92
77	68	60	68	68	52	60
78	60	80	92	80	72	72
79	66	60	48	48	60	72
80	72	76	60	64	60	72
81	68	64	48	44	60	60
82	72	72	60	48	60	60
83	68	72	76	64	64	72
84	80	72	60	56	76	72
85	72	72	64	60	72	60
86	60	60	60	72	72	72
87	60	60	64	60	72	72
88	80	80	76	72	72	72
99	72	80	68	64	60	72
100	72	84	88	80	92	--
101	60	56	72	60	60	60

TABLE AII. 249

PASSAGE OF TIME - 20 SECONDS: FLIGHT 1

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
1	15.8	21.3	----	----	----	24.2
2	32.8	40.8	42.0	43.8	44.8	19.5
3	16.4	18.6	17.1	21.0	19.5	19.5
4	16.0	11.8	12.5	----	----	14.6
5	27.8	16.4	25.0	28.5	35.0	28.1
6	10.2	19.2	14.2	14.7	8.4	19.0
7	18.2	26.8	18.6	29.5	23.8	25.8
8	9.0	20.4	----	31.0	16.3	22.5
9	17.5	30.0	19.8	12.2	18.1	16.5
10	19.4	19.8	21.4	22.2	22.8	26.0
11	8.7	18.5	24.2	23.9	24.6	24.0
12	27.4	18.2	16.1	13.8	12.3	14.1
13	15.8	15.4	17.8	25.0	27.0	17.2

TABLE AII. 249 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
14	6.2	19.9	25.8	22.2	30.5	19.5
15	30.2	14.9	25.6	23.2	18.4	29.7
16	23.0	30.3	----	25.1	26.0	29.0
17	10.8	8.5	7.6	15.1	15.0	19.0
18	12.6	12.7	17.9	19.0	24.3	19.0
19	9.8	16.6	15.3	11.7	17.7	12.5
20	----	16.2	20.2	18.5	23.7	20.1
21	21.2	21.7	19.2	21.4	19.2	18.4
22	21.8	16.4	21.0	20.3	23.2	18.0
90	16.6	22.0	12.7	16.8	16.7	18.4
91	14.2	16.5	21.2	18.9	17.5	23.2
92	27.8	17.8	18.4	17.6	21.8	19.6

TABLE AII. 250

PASSAGE OF TIME - 20 SECONDS: FLIGHT 2

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
23	18.5	10.6	12.6	15.7	14.8	18.2
24	14.5	9.4	11.9	11.7	15.6	12.2
25	10.2	7.8	8.5	10.2	7.3	16.8
26	26.3	18.0	11.3	11.2	18.5	21.0
27	11.0	30.0	15.2	18.0	19.4	19.6
28	16.0	14.0	20.4	16.4	16.5	17.6
29	14.6	17.7	16.8	18.2	13.1	17.2
30	17.5	16.2	18.0	18.4	21.2	20.2
31	26.7	18.7	20.0	21.0	16.0	17.6
32	4.4	6.6	11.3	18.4	12.0	16.4
33	7.4	5.0	7.9	10.0	24.2	7.0
34	15.0	17.6	31.5	17.6	17.8	12.6
35	12.3	11.3	12.9	14.2	16.0	11.2
36	7.5	12.5	10.5	16.0	18.5	16.0
37	12.4	10.0	10.5	11.2	26.0	15.9
38	11.0	16.8	22.5	18.3	22.0	20.3
39	3.5	9.7	9.7	27.0	18.2	15.6
40	9.4	12.9	12.6	27.4	29.6	20.2
41	17.0	9.7	19.6	32.0	28.2	19.1
42	11.8	----	24.0	21.2	18.5	17.7
43	20.9	22.4	21.9	27.4	20.5	17.5
44	22.5	12.5	17.4	14.0	24.6	12.5
93	19.5	16.8	16.2	14.0	18.6	14.6
94	22.4	31.5	29.7	24.2	26.0	20.6
95	21.5	23.6	16.5	18.2	18.0	27.6

TABLE AII. 251

PASSAGE OF TIME - 20 SECONDS: FLIGHT 3

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
45	26.2	35.5	18.2	26.7	20.0	31.0
46	8.4	17.0	23.9	29.7	24.2	14.3
47	4.6	28.3	19.7	----	----	18.2
49	20.5	13.8	12.6	11.6	14.0	15.0
50	10.0	12.0	8.6	11.7	10.2	31.8
51	16.3	17.3	19.2	19.3	18.8	18.6
52	10.2	12.0	16.7	15.8	20.0	20.9
53	20.1	23.7	18.4	30.0	34.4	27.6
54	15.8	21.6	19.5	20.5	15.5	7.6
55	18.6	24.0	12.6	17.4	18.7	15.7
56	30.0	13.2	15.4	15.4	13.0	16.3
57	----	15.0	19.2	14.6	17.8	17.5
58	16.8	23.4	17.4	19.0	16.0	17.3
59	----	25.0	21.0	24.7	29.0	26.0
60	38.0	27.0	24.4	----	----	51.7
61	20.5	----	22.0	10.2	13.4	16.8
48	20.9	14.7	20.2	22.0	22.5	14.5
62	23.2	21.0	15.6	12.2	19.0	----
63	30.5	22.0	19.7	14.8	9.1	12.3
64	19.5	37.7	28.4	27.2	23.3	23.0
65	15.8	11.3	15.8	20.8	17.9	15.4
66	16.5	14.4	17.6	15.2	12.2	14.5
96	13.4	25.1	28.2	16.7	26.3	18.9
97	21.1	17.8	15.4	15.6	21.2	20.7
98	30.5	17.4	----	----	29.2	19.6

TABLE AII. 252

PASSAGE OF TIME - 20 SECONDS: FLIGHT 4

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
68	5.5	17.0	15.0	----	----	16.4
69	13.0	12.7	14.1	11.3	15.0	12.2
70	28.2	16.2	22.2	33.7	18.5	16.5
71	25.8	31.2	34.9	25.7	55.6	22.2
72	19.1	21.8	17.3	15.0	26.0	11.4
73	11.0	21.7	12.5	18.5	11.5	10.5
74	16.0	20.8	17.4	17.0	14.0	20.0
75	7.2	12.7	13.7	21.4	9.5	8.6
76	10.4	9.3	8.5	12.2	7.6	8.0
77	14.8	11.5	3.5	5.8	3.5	5.0
78	11.7	13.2	13.5	16.3	19.1	24.9
79	8.7	5.7	10.1	11.8	23.5	11.7

TABLE AII. 252 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
80	28.8	27.6	19.4	19.5	15.5	22.0
81	8.6	12.3	15.5	9.8	9.6	30.8
82	9.5	35.3	28.4	27.6	59.4	22.4
83	32.4	22.2	19.9	19.4	19.2	21.6
84	19.3	12.4	27.9	26.6	33.0	30.0
85	6.3	22.5	19.8	9.6	18.6	19.2
86	6.4	15.8	16.7	17.6	7.6	10.0
87	43.0	13.3	17.1	16.4	13.4	16.0
88	19.6	13.5	11.8	9.0	6.0	16.0
99	20.5	20.2	27.2	20.2	22.6	19.4
100	10.4	21.7	21.3	20.5	26.4	27.3
101	21.4	20.2	18.4	19.0	24.2	17.6

TABLE AII. 253

PASSAGE OF TIME - 45 SECONDS: FLIGHT 1

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
1	57.0	45.4	----	----	----	46.4
2	38.6	83.3	108.0	94.4	69.0	38.7
3	44.8	39.4	37.8	50.5	42.5	41.3
4	30.2	29.2	27.3	----	----	29.1
5	53.2	43.2	57.3	45.8	77.2	52.2
6	55.0	37.8	61.5	40.0	34.3	52.4
7	42.3	44.6	35.5	48.5	51.2	49.3
8	47.3	43.8	----	75.8	61.6	51.4
9	38.3	60.2	44.7	33.6	32.8	32.2
10	44.5	49.5	50.5	55.0	52.5	47.1
11	17.7	34.2	31.3	23.9	55.0	58.0
12	48.4	33.0	32.4	32.5	37.0	32.3
13	48.4	37.2	41.9	49.2	61.7	36.5
14	27.2	52.2	46.2	53.5	62.5	51.8
15	51.8	59.0	50.5	39.0	47.2	47.0
16	45.0	74.0	----	39.0	60.2	56.0
17	20.4	12.7	24.6	29.5	33.9	42.7
18	30.2	34.6	42.0	45.1	46.7	43.8
19	23.4	56.0	23.2	21.8	39.0	23.1
20	----	57.0	46.9	42.5	48.8	42.3
21	46.0	48.0	45.3	46.2	40.5	45.6
22	45.6	35.4	59.7	35.3	43.2	35.0
90	34.8	37.6	30.1	33.6	38.5	36.0
91	41.3	38.8	49.6	38.3	47.4	61.7
92	40.2	44.0	42.7	51.1	55.6	47.3

TABLE AII. 254

PASSAGE OF TIME - 45 SECONDS: FLIGHT 2

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
23	38.5	11.6	16.8	34.7	31.6	37.8
24	22.0	17.4	24.8	22.4	33.2	33.7
25	35.2	12.4	12.8	48.4	16.2	51.0
26	66.0	50.0	41.7	38.2	38.5	38.0
27	27.0	53.6	32.8	30.0	22.3	37.0
28	36.8	39.2	47.2	36.0	43.0	43.2
29	39.0	37.5	35.5	33.6	37.2	46.0
30	33.1	28.6	58.0	30.8	43.8	50.6
31	60.0	36.3	32.3	48.4	39.6	29.0
32	37.4	16.8	34.7	38.8	39.2	43.4
33	14.8	13.2	19.2	26.6	34.6	14.2
34	42.1	45.5	66.2	45.6	29.0	32.0
35	17.9	53.8	57.0	36.8	53.6	49.0
36	11.9	55.6	20.3	52.3	44.8	30.2
37	17.2	19.9	24.3	31.7	47.6	46.5
38	28.2	34.7	45.0	43.3	43.4	43.7
39	25.6	35.0	25.6	18.7	29.8	24.2
40	38.8	49.3	43.4	47.3	53.9	60.6
41	24.5	23.5	43.0	50.6	55.9	39.4
42	27.3	----	61.0	45.5	42.5	37.4
43	45.6	59.4	43.3	48.7	49.3	44.5
44	32.0	57.6	33.0	29.2	47.0	28.7
93	51.8	36.4	42.0	33.3	42.4	44.0
94	24.5	66.6	70.6	48.4	50.0	47.0
95	40.0	48.5	40.0	52.4	41.9	44.4

TABLE AII. 255

PASSAGE OF TIME - 45 SECONDS: FLIGHT 3

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
45	43.1	41.0	51.6	36.7	45.0	35.4
46	22.9	38.6	52.3	45.0	39.3	52.0
47	10.3	56.2	52.1	----	----	29.5
49	42.3	22.4	29.4	29.8	21.0	34.9
50	20.7	22.8	21.0	20.5	38.5	31.9
51	36.6	39.2	41.7	40.7	44.7	44.0
52	22.3	25.6	35.0	41.5	41.3	47.4
53	45.0	49.9	50.7	52.0	53.6	30.5
54	41.2	36.8	42.6	40.6	19.2	41.3
55	41.6	39.6	44.2	16.5	36.7	43.1
56	63.4	28.8	43.8	33.7	24.0	41.8
57	----	32.6	40.8	37.0	42.3	46.5
58	39.6	28.3	38.8	36.7	49.4	29.0

TABLE AII. 255 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
59	----	47.6	44.4	50.3	36.5	28.5
60	63.4	69.4	48.0	----	----	118.7
61	45.2	----	52.0	23.8	28.5	29.7
48	42.5	39.8	48.1	48.7	49.3	49.0
62	55.5	42.8	59.2	23.2	48.7	----
63	40.1	54.4	52.8	40.2	23.0	21.0
64	45.8	59.2	47.2	68.5	44.2	58.0
65	23.0	21.5	37.3	45.3	37.4	36.1
66	38.4	29.3	44.5	34.5	30.2	34.8
96	62.0	54.0	64.0	47.8	49.2	44.8
97	45.0	45.0	37.7	44.8	48.0	49.5
98	44.3	40.3	----	----	61.0	40.0

TABLE AII. 256

PASSAGE OF TIME - 45 SECONDS: FLIGHT 4

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
68	11.0	20.5	25.3	----	----	51.0
69	58.2	53.6	32.5	29.2	26.6	23.0
70	41.0	40.2	51.0	43.0	46.0	24.6
71	49.8	59.1	57.0	43.4	46.5	45.9
72	42.9	36.1	35.0	22.0	21.3	15.2
73	22.5	39.0	20.3	29.0	24.5	20.2
74	33.6	37.2	19.3	28.0	33.9	32.8
75	9.1	20.4	16.6	25.3	14.9	18.5
76	27.1	36.9	42.3	59.4	22.4	41.3
77	22.4	22.4	9.5	15.7	5.6	7.3
78	26.1	27.3	23.2	30.5	40.2	41.4
79	12.4	11.6	19.3	19.7	42.0	24.3
80	60.5	40.4	34.6	38.0	33.4	49.0
81	18.2	26.9	34.8	20.6	24.8	56.4
82	58.8	34.2	88.4	56.2	57.9	50.0
83	47.4	36.2	36.2	34.0	34.8	41.4
84	39.4	35.5	52.4	52.0	53.2	40.2
85	19.6	57.1	49.4	24.2	41.4	47.0
86	27.5	33.5	27.0	57.2	31.2	47.0
87	69.6	57.5	17.3	38.0	27.8	30.4
88	13.4	22.5	18.7	49.6	15.2	19.6
99	47.8	45.1	57.2	44.6	50.2	48.0
100	22.2	41.9	51.4	34.4	47.0	43.7
101	57.0	45.6	46.8	41.2	42.5	58.0

TABLE AII. 257

PASSAGE OF TIME - 70 SECONDS: FLIGHT 1

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
1	99.0	76.0	----	----	----	87.3
2	90.2	124.5	128.6	182.2	78.8	84.0
3	72.6	62.6	44.3	73.0	73.2	73.2
4	75.0	64.8	59.1	----	----	42.6
5	76.0	79.4	68.1	56.2	82.9	73.5
6	90.0	74.8	54.8	43.7	88.6	75.5
7	70.7	68.1	52.2	83.0	85.0	69.8
8	62.0	76.2	----	104.6	94.0	59.2
9	84.7	64.8	64.7	69.8	51.8	64.8
10	72.5	89.8	76.6	67.8	71.8	76.5
11	30.0	41.0	44.8	62.7	99.5	72.7
12	74.6	62.7	45.4	59.2	41.8	50.2
13	75.7	60.3	70.5	83.3	103.9	53.7
14	98.8	70.5	68.6	76.7	107.8	61.3
15	82.6	71.8	42.4	61.2	57.4	79.0
16	68.0	89.5	----	62.5	97.0	79.0
17	60.4	33.7	59.3	65.8	84.0	83.8
18	56.6	66.4	64.0	70.7	69.8	62.0
19	65.8	60.8	37.6	33.9	56.4	37.4
20	----	55.0	71.7	69.2	70.9	60.0
21	68.4	63.0	64.6	75.4	59.0	69.2
22	68.6	75.2	70.4	----	45.8	51.3
90	52.2	73.8	48.4	54.0	69.8	65.0
91	73.5	93.7	83.4	88.1	82.0	90.8
92	61.8	68.8	72.8	65.3	73.0	72.0

TABLE AII. 258

PASSAGE OF TIME - 70 SECONDS: FLIGHT 2

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
23	34.2	18.1	26.7	39.4	81.6	57.0
24	32.8	30.3	34.5	34.5	54.9	31.1
25	83.2	19.2	64.2	68.0	20.9	50.0
26	120.5	45.8	56.4	64.8	113.7	69.2
27	44.3	65.4	38.5	63.0	47.5	60.0
28	62.1	53.7	69.3	56.2	70.6	67.0
29	83.4	86.5	47.7	64.0	57.3	64.2
30	80.7	37.9	67.6	84.0	63.0	65.0
31	81.2	55.5	40.0	64.6	45.2	38.2
32	101.6	55.5	41.8	78.0	78.0	66.0
33	20.0	52.3	31.6	58.0	56.8	57.0
34	64.4	74.0	99.4	78.4	80.2	58.0
35	32.2	42.7	64.5	62.6	75.0	61.6

TABLE AII. 258 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
36	58.4	57.0	40.3	44.6	64.8	60.0
37	48.0	40.8	64.3	44.1	63.0	73.4
38	36.4	69.2	53.3	62.1	63.8	77.1
39	34.6	30.7	58.5	22.6	62.0	34.7
40	81.5	67.5	74.2	76.9	94.4	55.4
41	28.7	32.7	49.6	68.0	64.5	51.6
42	48.9	----	80.4	69.8	57.0	63.0
43	70.5	92.4	59.7	80.5	74.4	65.5
44	53.8	44.7	71.5	41.4	70.0	36.7
93	86.8	59.0	64.0	61.5	75.6	71.0
94	95.5	96.7	80.6	74.8	73.6	71.0
95	69.6	67.5	66.8	84.0	64.4	69.7

TABLE AII. 259

PASSAGE OF TIME - 70 SECONDS: FLIGHT 3

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
45	82.2	65.0	55.5	64.8	65.5	68.5
46	34.2	67.2	64.3	93.0	57.5	66.0
47	24.7	91.7	92.3	----	----	38.1
49	68.1	36.3	36.1	46.5	43.8	52.2
50	39.3	35.7	36.9	65.2	69.1	70.0
51	59.0	59.0	66.1	56.2	68.0	70.8
52	41.7	43.1	53.2	61.2	65.8	66.3
53	54.9	106.8	57.0	48.4	79.5	45.1
54	55.6	80.0	72.2	60.0	58.2	85.5
55	69.8	61.4	62.6	49.3	50.5	57.5
56	75.8	52.6	62.0	44.7	43.8	64.6
57	----	47.6	64.6	66.5	87.7	71.0
58	66.4	67.7	70.4	65.3	54.0	84.6
59	----	68.8	76.2	78.5	43.0	47.5
60	92.2	110.2	90.6	----	----	113.8
61	67.8	----	75.8	40.8	51.9	27.7
48	75.9	62.4	72.8	87.1	72.5	66.3
62	69.4	76.2	55.4	43.0	53.5	----
63	56.3	68.8	90.3	57.8	27.2	46.0
64	78.8	56.5	81.3	51.6	41.2	36.8
65	58.6	58.5	49.0	64.3	39.2	45.0
66	50.5	40.0	54.5	49.7	44.5	49.0
96	73.5	80.6	87.6	75.0	73.5	75.7
97	64.7	68.6	59.3	72.4	79.5	61.0
98	95.6	54.5	----	----	102.4	64.7

TABLE AII. 260

PASSAGE OF TIME - 70 SECONDS: FLIGHT 4

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
68	43.2	38.4	38.3	----	----	61.4
69	36.6	42.2	55.0	45.0	51.8	35.6
70	79.8	52.5	69.6	51.3	74.2	25.9
71	81.3	99.0	83.4	75.3	68.7	83.2
72	59.9	55.8	51.0	36.4	37.0	23.8
73	30.6	59.4	42.5	49.0	36.9	32.9
74	36.3	78.8	48.5	36.4	48.0	39.0
75	13.1	36.4	27.9	53.7	29.4	49.2
76	65.2	53.0	79.5	69.2	49.3	84.0
77	45.0	25.2	9.9	30.5	10.2	15.0
78	43.1	39.4	38.7	39.1	49.5	55.6
79	59.0	20.8	33.0	24.3	58.0	32.0
80	103.0	39.7	62.5	66.5	42.5	62.6
81	44.5	57.1	54.8	54.2	54.0	136.2
82	43.0	67.0	86.7	92.0	58.1	49.6
83	49.6	56.2	60.0	60.6	56.0	60.0
84	60.8	44.0	84.6	69.4	65.8	62.0
85	36.2	75.3	69.0	48.0	68.2	67.2
86	55.6	39.8	36.0	58.0	54.6	50.4
87	90.0	56.6	41.6	63.6	41.4	60.0
88	76.1	56.3	29.2	60.0	25.6	28.0
99	71.2	70.7	77.0	72.0	70.4	72.0
100	34.4	68.0	81.8	83.7	68.7	68.7
101	79.3	70.9	71.6	70.0	79.5	106.2

TABLE AII. 261

HALF-MILE RUN: LAPSED TIME
(min:sec)

Flight 1				Flight 2			
Subject Code No.	P I F28	EXP I M14	REC I M28	Subject Code No.	P I F28	EXP I M14	REC I M28
1	3:42	----	3:26	23	3:37	3:56	3:42
2	4:06	3:15	3:04	24	3:44	4:04	3:56
3	4:31	4:40	4:45	25	3:38	3:57	4:40
4	4:36	----	4:15	26	3:44	4:19	3:21
5	3:56	4:08	3:27	27	4:12	3:41	4:19
6	3:30	4:27	3:57	28	3:40	3:36	4:02
7	3:26	3:12	3:50	29	3:34	3:28	4:00
8	3:13	3:45	3:29	30	3:18	3:06	3:34
9	4:28	6:04	5:50	31	3:19	3:30	4:06
10	3:16	3:59	4:08	32	4:15	4:40	4:46
11	3:14	3:40	3:55	33	3:27	4:03	3:41
12	4:49	4:45	4:35	34	3:23	3:28	4:01

TABLE AII. 261 (contd)

Flight 1				Flight 2			
Subject Code No.	P I F28	EXP I M14	REC I M28	Subject Code No.	P I F28	EXP I M14	REC I M28
13	3:28	3:48	3:56	35	3:49	3:24	3:45
14	3:11	3:55	3:30	36	3:39	3:39	3:43
15	3:11	3:35	4:23	37	3:24	3:43	3:16
16	4:26	3:51	3:49	38	3:14	4:15	3:17
17	4:39	3:56	4:04	39	4:56	3:57	5:03
18	3:15	4:26	5:04	40	3:18	3:40	3:19
19	3:33	3:41	4:33	41	3:47	3:54	4:03
20	3:08	3:36	3:15	42	3:29	3:47	3:18
21	3:32	3:09	3:59	43	3:15	3:32	3:21
22	4:24	4:06	4:18	44	3:24	3:22	3:43

Flight 3				Flight 4			
Subject Code No.	P I F28	EXP I M14	REC I M28	Subject Code No.	P I F28	EXP I M14	REC I M28
45	3:41	5:13	3:58	68	3:35	----	2:48
46	3:41	7:51	4:32	69	4:15	6:57	4:28
47	4:19	----	3:50	70	4:18	5:04	4:20
49	3:29	3:57	3:59	71	3:49	4:37	4:07
50	4:11	4:13	3:55	72	4:12	5:03	4:29
51	3:35	3:52	3:37	73	3:46	4:29	4:26
52	3:39	4:09	3:35	74	5:35	3:20	5:55
53	3:32	3:38	3:36	75	4:54	4:10	4:10
54	4:11	5:25	5:58	76	4:39	4:58	6:22
55	4:06	5:13	5:30	77	3:37	4:13	5:42
56	3:19	3:29	3:14	78	4:17	5:00	5:46
57	4:29	4:55	4:11	79	3:51	3:56	4:04
58	(4:38)	----	5:27	80	3:33	3:43	3:49
59	4:13	5:11	4:11	81	3:44	3:38	2:59
60	4:33	----	4:01	82	4:01	4:26	4:18
61	(3:30)	3:38	3:39	83	3:34	4:07	3:58
48	3:06	3:43	4:08	84	4:02	4:07	4:37
62	4:06	3:28	4:34	85	3:43	4:27	3:48
63	(4:38)	6:07	4:41	86	4:18	4:10	4:53
64	3:08	3:32	3:06	87	3:23	3:45	4:02
65	3:32	3:37	3:23	88	3:19	3:29	5:08
66	3:14	3:25	3:05				

TABLE AII. 262

HALF-MILE RUN: PULSE RATE
(beats/min)

Flight 1				Flight 2			
Subject Code No.	P I F28	EXP I M14	REC I M28	Subject Code No.	P I F28	EXP I M14	REC I M28
1	136	---	180	23	---	168	176
2	132	142	164	24	145	152	136
3	144	147	144	25	151	144	151
4	140	---	125	26	166	120	160
5	130	160	148	27	161	133	147
6	148	145	151	28	163	120	134
7	152	156	155	29	164	168	172
8	148	160	177	30	160	158	140
9	160	129	140	31	159	167	140
10	136	188	139	32	152	116	132
11	134	160	158	33	175	117	134
12	172	174	156	34	140	176	168
13	130	169	172	35	169	145	148
14	154	110	160	36	166	110	154
15	---	160	163	37	164	168	158
16	180	152	144	38	154	160	164
17	120	157	148	39	164	179	158
18	160	120	152	40	160	145	156
19	140	148	138	41	166	103	174
20	190	179	169	42	158	148	178
21	148	180	141	43	154	176	157
22	164	151	160	44	184	188	166

Flight 3				Flight 4			
Subject Code No.	P I F28	EXP I M14	REC I M28	Subject Code No.	P I F28	EXP I M14	REC I M28
45	134	108	149	68	166	---	182
46	126	92	124	69	114	131	121
47	132	---	156	70	126	142	152
49	139	160	129	71	150	132	158
50	138	177	140	72	186	142	170
51	139	136	164	73	144	128	138
52	116	156	134	74	154	135	103
53	121	160	141	75	136	136	146
54	122	147	138	76	136	164	125
55	121	120	124	77	144	108	123
56	115	146	172	78	186	168	168
57	137	133	166	79	140	164	137
58	(118)	---	160	80	148	141	130
59	130	126	148	81	134	178	154
60	122	---	147	82	148	172	166
61	---	162	151	83	136	118	139
48	115	161	146	84	164	155	172
62	126	152	132	85	148	176	149
63	(120)	175	122	86	152	133	134
64	130	114	134	87	144	140	142
65	132	166	149	88	156	176	154
66	145	146	186				

TABLE AII. 263

CALORIE BALANCE: FLIGHT 1
(Cal/day)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
1	+ 290	+ 180	-----	-----	-----	+2560
2	+ 330	+ 300	-3240	-2930	+2210	+3820
3	+ 40	- 280	-4030	-3560	+1100	+3280
4	+ 150	+ 100	-3330	-----	-----	+4240
5	+ 260	+ 160	-2820	-2550	+2300	+3540
6	+ 930	+ 860	-2110	-2780	+2000	+3340
7	- 20	- 170	-1980	-1680	+2280	+3180
8	- 260	-----	-----	-1950	+ 990	+2580
9	- 840	+ 240	-2010	-1620	+1990	+4370
10	+ 480	+ 170	-2340	-1950	+2380	+3870
11	+ 160	- 390	-2100	-1630	+1700	+2270
12	-2080	-2330	-3180	-2760	-1730	+ 450
13	+1340	+ 590	-2980	-2540	+1780	+3170
14	+ 720	- 500	-2810	-2450	+ 900	+3080
15	+ 880	+ 370	-1970	-1580	+1630	+2110
16	+1120	-----	-----	-2210	+1460	+2410
17	+ 650	+ 280	-2540	-2200	+2260	+3460
18	+ 720	+ 100	-2170	-1870	+1980	+3350
19	+ 670	+ 310	-1640	-1370	+1590	+2350
20	- 55	+ 180	-1570	-1290	+1500	+3020
21	+1110	+ 830	- 430	- 200	+1010	+1860
22	+ 330	- 480	-1050	- 760	- 390	-1890

TABLE AII. 264

CALORIE BALANCE: FLIGHT 2
(Cal/day)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
23	+ 960	+ 700	-3920	-3460	+1630	+3730
24	+ 860	+ 520	-3380	-3020	+1760	+3100
25	- 770	- 560	-3830	-3490	+ 740	+2720
26	- 60	0	-4120	-3690	+1110	+3620
27	+ 880	+ 660	-2480	-2020	+1270	+3000
28	+ 630	+ 250	-2850	-2460	+1170	-----
29	+ 590	- 90	-1640	-1330	+ 670	+1890
30	+ 540	+ 90	-1160	- 910	+1180	+2630
31	+ 680	+ 390	-2450	-2090	+1340	+2510
32	+ 810	+ 370	-2760	-2310	+ 960	+3520
33	+ 760	+ 510	-1950	- 740	+1740	+3540
34	- 480	- 270	-1900	-1610	+1520	+4250
35	+ 410	- 70	-2360	-2040	+ 920	+3490

TABLE AII. 264 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
36	- 420	- 320	-2610	-2240	+ 520	+4190
37	+ 430	+ 480	-2000	-1670	+1080	+2240
38	+ 50	- 220	-2040	-1570	+ 610	+3120
39	+ 320	+ 270	-2330	-1980	+1460	+3050
40	+ 310	- 60	-2980	-2610	+ 490	+1970
41	+ 230	+ 130	-2090	-1630	+1020	+2690
42	+ 690	-----	-1860	-1510	+ 100	+3080
43	+ 660	+ 630	- 750	- 430	+ 420	+1870
44	- 340	- 210	-1130	- 950	+ 170	+1840

TABLE AII. 265

CALORIE BALANCE: FLIGHT 3
(Cal/day)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
45	- 250	- 340	-3630	-3410	+ 610	+3130
46	+ 630	+ 30	-2960	-2710	+1270	+3350
47	+ 170	+ 190	-2950	-----	-----	+2750
49	+ 810	+ 420	-1740	-1600	+1120	+2850
50	+ 510	- 520	-1960	-1800	+1560	+3110
51	+ 310	+ 120	-1220	-1090	+1320	+2370
52	- 610	+ 20	- 950	- 840	+1130	+2680
53	+1060	+ 170	-2430	-2120	+1720	+2420
54	+ 40	+ 170	-2170	-1880	+1680	+4140
55	- 210	+ 190	- 820	- 770	+1180	+2310
56	+ 470	+ 510	-1010	- 890	+1330	+2030
57	-1150	+ 370	-2340	-2160	+1470	+3120
58	- 640	- 60	-1760	-1590	+1470	+3090
59	- 460	+ 830	-1470	-1300	+2390	+3780
60	+ 920	+ 490	-1870	-----	-----	+3080
61	- 100	-----	-1180	-1050	+1500	+3000
48	+ 810	+ 620	-1850	-1720	+1530	+3250
62	+1040	+ 920	-1460	-1330	+1890	+4080
63	- 480	- 470	-1440	-1350	- 500	+ 550
64	+ 880	+ 470	-1650	-1540	+1600	+2370
65	+1010	+ 630	- 30	+ 10	+1870	+2240
66	- 460	- 410	- 370	- 380	+ 720	+3360

TABLE AII. 266

CALORIE BALANCE: FLIGHT 4
(Cal/day)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
68	+ 410	- 60	-3000	-----	-----	+1940
69	+ 40	- 80	-3270	-3080	+1540	+2580
70	+ 560	+ 10	-2860	-2710	+1210	+2240
71	+ 440	- 150	-1980	-1880	+ 920	+1800
72	- 10	+ 230	-1850	-1710	+1440	+2490
73	+ 490	+ 190	- 870	- 780	+1570	+2080
74	- 260	- 320	-1520	-1380	+ 460	+1810
75	+ 100	- 160	-2150	-1920	+1120	+2340
76	+ 350	+ 190	-1800	-1650	+1260	+2590
77	+ 240	+ 250	- 600	- 620	+1740	+3720
78	+ 810	+ 130	- 770	- 690	+1280	+1850
79	+ 530	+ 440	-1850	-1730	+1220	+2560
80	+ 420	- 190	-2040	-1930	+ 870	+2360
81	+ 350	+ 190	-1070	- 950	+1240	+2500
82	+ 470	+ 380	-1130	- 980	+1680	+2350
83	+ 410	+ 180	-1680	-1570	+ 990	+1880
84	+ 490	+ 340	-1610	-1500	+1170	+1910
85	+ 320	- 200	-1270	-1110	- 100	+2050
86	+ 110	+ 160	- 610	- 510	+1150	+2040
87	+ 470	+ 100	+ 20	+ 90	+ 560	+1530
88	+ 220	+ 180	- 70	+ 40	- 920	+1780

TABLE AII. 267

WATER BALANCE: FLIGHT 1
(L/day)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
1	+0.58	+0.36	-----	-----	-----	+0.94
2	+0.65	+0.47	-1.21	-1.01	+1.10	+0.92
3	+0.24	-0.08	-1.64	-1.28	+1.56	+0.41
4	+0.38	+0.18	-1.62	-----	-----	+0.78
5	+0.40	+0.22	-1.33	-1.04	+1.12	+0.26
6	+0.40	-0.91	-0.94	-0.91	+1.06	+0.46
7	+0.08	-0.12	-1.34	-1.01	+1.24	+0.25
8	+0.44	-----	-----	-0.87	+0.76	+0.53
9	+0.31	+0.51	-0.83	-0.48	+0.85	+0.60
10	+0.43	+0.48	-0.79	-0.29	+1.22	+0.64
11	+0.20	+0.01	-1.14	-0.68	+1.38	-0.21
12	-0.36	-0.42	-1.50	-0.99	-0.18	-0.29
13	+0.66	+0.51	-1.08	-1.17	+1.32	+0.33
14	+0.67	+0.10	-1.19	-1.15	+0.67	-0.28

TABLE AII. 267 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
15	+0.34	0	-1.43	-1.37	+0.68	-0.28
16	+0.60	-----	-----	-0.70	+0.63	+0.54
17	+0.75	+0.39	-1.42	-0.94	+1.17	+0.68
18	+0.42	+0.74	-1.02	-0.94	+0.86	+0.65
19	+0.31	+0.08	-1.24	-0.95	+0.69	+0.19
20	-0.02	+0.08	-0.69	-0.61	-1.10	+0.27
21	+0.60	+0.36	-0.58	-0.23	+0.53	+0.17
22	+0.41	-0.02	-0.48	-0.12	+0.48	+0.72

TABLE AII. 268

WATER BALANCE: FLIGHT 2
(L/day)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
23	+0.76	+0.47	-1.54	-1.36	+1.18	+1.90
24	+0.57	+0.46	-1.18	-0.97	+1.32	+0.88
25	+0.12	+0.24	-1.28	-1.10	+1.17	+1.12
26	+0.48	+0.59	-1.62	-1.30	+1.84	+0.67
27	+0.37	+0.69	-1.08	-0.89	+1.63	+0.53
28	+0.61	+0.82	-1.24	-0.99	+1.40	+0.20
29	+0.46	+0.31	-0.85	-0.74	+0.74	+0.61
30	+0.78	+0.27	-0.56	-0.64	+1.02	+1.28
31	+0.58	+0.29	-1.28	-1.11	+1.00	+1.05
32	+0.42	+0.69	-1.87	-1.41	+0.89	+0.25
33	+0.62	+0.64	-1.19	-1.42	+1.29	+1.48
34	+0.46	+0.35	-1.52	-1.36	+1.48	+0.60
35	+0.42	+0.20	-0.88	-0.80	+0.77	+1.09
36	+0.19	+0.26	-1.19	-1.12	+1.36	+0.57
37	+0.68	+0.75	-1.12	-0.90	+0.75	+0.88
38	-0.24	-0.13	-1.57	-1.27	+0.71	+0.80
39	+0.38	+0.31	-1.08	-1.10	+1.84	+0.88
40	+0.58	+0.51	-1.52	-1.17	+0.92	+0.58
41	+0.21	+0.10	-1.76	-1.26	+1.28	+0.18
42	+0.43	-----	-0.96	-1.02	+0.42	+1.26
43	+0.39	+0.59	-0.88	-1.09	+0.17	+0.39
44	+0.33	+0.26	-1.18	-0.94	+1.13	+0.54

TABLE AII. 269

WATER BALANCE: FLIGHT 3
(L/day)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
45	0	+0.27	-1.53	-1.11	+0.60	+0.50
46	+0.18	-0.06	-1.26	-1.02	+0.81	+0.57
47	+0.18	+0.18	-0.57	-----	-----	+0.62
49	+0.64	+0.34	-0.42	-0.31	+0.80	+0.10
50	+0.50	+0.02	-0.66	-0.78	+1.38	+0.70
51	+0.20	+0.22	-0.67	-0.23	+0.96	+0.12
52	+0.35	+0.38	-0.68	-0.63	+0.54	+0.56
53	+0.62	+0.60	-0.32	-0.96	+1.29	+0.40
54	+0.47	+0.18	-0.82	-0.74	+0.93	+1.17
55	+0.33	+0.26	-1.05	-0.26	+0.78	+0.53
56	+0.07	+0.04	-0.92	-0.53	+0.74	+0.79
57	+0.77	+0.32	-0.93	-0.83	+0.92	+0.84
58	+0.66	+0.35	-0.96	-0.47	+0.59	+0.75
59	+0.44	+0.89	-0.42	-0.27	+1.90	+0.70
60	+0.70	+0.07	-0.71	-----	-----	+0.17
61	+0.47	-----	-0.51	-0.56	+0.95	+0.90
48	+0.34	+0.09	-1.56	-0.60	+0.56	+0.59
62	+0.90	+0.57	-0.45	-0.27	+0.99	+0.79
63	+0.17	+0.30	-0.34	-0.18	+0.45	-0.20
64	+0.24	+0.20	-0.62	-0.79	+1.28	+0.38
65	+0.70	+0.53	-0.35	-0.02	+1.10	+0.48
66	+0.33	+0.35	-0.27	+0.12	+0.97	+0.58

TABLE AII. 270

WATER BALANCE: FLIGHT 4
(L/day)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
68	+0.78	+0.27	-0.90	-----	-----	+0.22
69	+0.33	-0.11	-1.04	-0.92	+0.80	-0.21
70	+1.03	+0.37	-0.71	-0.62	+1.37	+0.58
71	+0.58	-0.16	-0.74	-0.46	+1.42	+0.42
72	+0.84	+0.64	-0.68	-0.39	+1.23	+0.43
73	+0.49	+0.20	-0.69	-0.33	+1.11	+0.60
74	+0.32	+0.47	-0.51	-0.31	+1.26	+1.52
75	+1.21	+0.67	-0.70	-0.73	+1.48	+0.75
76	+0.69	+0.58	-0.71	-0.52	+1.26	+0.64
77	+0.22	+0.34	-1.00	-0.82	+1.18	+0.42
78	+0.49	+0.26	-1.00	-0.82	+1.10	-0.04
79	+0.51	+0.32	-0.80	-0.31	+0.92	+0.20
80	+0.42	+0.23	-0.62	-0.47	+1.00	+0.60

TABLE AII. 270 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
81	+0.37	+0.41	-0.46	-0.35	+1.08	+0.57
82	+0.61	+0.55	-0.54	-0.43	+0.68	+0.10
83	+0.26	+0.40	-0.62	-0.35	+0.48	+0.10
84	+0.22	+0.43	-0.53	-0.24	+1.42	+0.17
85	+0.40	+0.02	-0.51	-0.50	+0.27	+0.45
86	+0.56	+0.48	-0.26	-0.15	+0.81	+0.52
87	+0.66	+0.43	-0.23	-0.10	+0.11	+0.06
88	+0.75	+0.57	-0.29	-0.01	+0.77	+0.30

TABLE AII. 271

NITROGEN BALANCE: FLIGHT 1
(gm/day)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
1	+ 1.4	- 0.5	-----	-----	-----	+11.0
2	+ 2.4	+ 0.4	-12.0	-10.1	+ 7.2	+16.7
3	+ 3.3	+ 0.6	-14.1	- 9.0	+ 3.1	+17.9
4	+ 0.5	- 1.0	-13.4	-----	-----	+18.2
5	+ 2.1	- 1.7	-10.2	- 8.0	+ 7.7	+14.0
6	+ 5.2	- 5.2	- 8.9	- 7.3	+ 6.9	+12.6
7	- 1.4	+ 1.1	- 8.5	- 7.5	+10.7	+14.0
8	+ 0.4	-----	-----	- 5.8	+ 6.9	+13.0
9	- 3.5	+ 1.2	- 2.6	- 1.8	+ 2.2	+17.2
10	+ 1.5	+ 1.3	- 3.5	- 3.2	+ 8.0	+16.9
11	+ 1.4	0.0	- 2.9	+ 0.3	+ 6.7	+14.2
12	+ 2.1	+ 0.2	+ 1.7	+ 0.2	+ 3.5	+ 9.4
13	+ 5.3	+ 0.1	-12.8	- 9.6	+ 5.9	+13.7
14	+ 6.0	+ 1.5	-10.7	-11.8	+ 4.5	+15.6
15	+ 2.6	+ 1.4	-10.3	- 8.4	+ 4.4	+ 8.3
16	+ 3.1	-----	-----	- 6.5	+ 4.4	+ 9.8
17	+ 2.6	+ 1.7	- 8.1	- 7.4	+ 7.6	+24.5
18	+ 0.8	- 1.1	- 6.6	- 7.4	+ 7.4	+18.8
19	+ 1.7	+ 1.9	- 4.9	- 3.6	+ 2.3	+ 9.9
20	- 1.7	0.0	- 2.4	- 3.1	+ 4.0	+13.3
21	+ 3.6	+ 1.3	- 0.7	+ 0.3	+ 3.9	+10.5
22	+ 3.4	+ 0.6	- 1.7	- 0.7	+ 2.3	+15.4

TABLE AII. 272

NITROGEN BALANCE: FLIGHT 2
(gm/day)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
23	+ 6.2	+ 3.7	-16.1	-12.3	+ 6.1	+17.9
24	+ 3.9	+ 2.0	-12.3	-12.3	+24.7	+16.6
25	- 1.9	- 0.5	-11.7	-10.0	+ 2.1	+14.8
26	+ 0.9	+ 3.2	-15.0	-14.6	+ 7.4	+28.4
27	+ 1.5	+ 4.4	- 9.2	- 8.8	+ 7.1	+14.3
28	+ 3.2	+ 2.8	- 9.0	- 6.4	+ 8.4	+10.5
29	+ 4.4	+ 1.0	- 6.9	- 6.4	+ 3.0	+ 6.3
30	+ 0.8	- 1.2	- 5.7	- 6.5	+ 3.4	+11.7
31	+ 4.1	+ 2.5	- 8.9	- 8.6	+ 4.8	+10.9
32	+ 1.7	+ 2.2	- 8.6	- 6.1	+ 1.8	+17.0
33	+ 1.8	- 1.8	- 7.5	- 6.8	+ 3.0	+12.7
34	+ 1.3	+ 2.1	- 2.0	- 1.5	+ 6.4	+17.5
35	+ 1.7	+ 0.8	- 9.4	- 9.0	+ 7.4	+17.9
36	- 1.7	- 1.6	-16.2	-12.2	- 2.3	+16.7
37	+ 3.8	+ 2.8	- 8.0	- 6.1	+ 2.0	+13.1
38	+ 0.9	+ 0.4	- 9.2	- 5.8	+ 2.4	+12.7
39	- 0.4	+ 1.1	- 4.7	- 6.8	+ 9.3	+16.7
40	+ 3.4	+ 2.2	- 8.5	- 8.7	+ 6.2	+ 8.7
41	- 0.3	+ 3.0	- 6.2	- 2.5	+ 9.7	+14.0
42	- 1.7	-----	- 0.7	- 3.5	+ 1.1	+12.2
43	+ 4.0	+ 4.2	- 2.3	- 4.4	+ 0.7	+11.1
44	- 0.7	+ 0.8	- 4.6	- 3.7	+ 2.4	+ 7.4

TABLE AII. 273

NITROGEN BALANCE: FLIGHT 3
(gm/day)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
45	+ 0.5	- 1.1	-15.6	-11.7	+ 6.2	+14.3
46	+ 3.2	+ 0.1	-13.7	-10.6	+ 5.4	+14.5
47	+ 0.2	+ 1.5	- 6.7	-----	-----	+12.4
49	+ 4.3	+ 1.8	- 7.6	- 6.2	+ 7.2	+13.7
50	+ 1.4	+ 0.3	- 8.8	- 6.1	+10.0	+11.9
51	+ 1.1	- 1.3	- 7.0	- 4.4	+ 8.3	+11.9
52	+ 1.5	+ 1.3	- 7.5	- 6.1	+ 8.8	+11.2
53	+ 6.1	+ 0.4	- 8.2	- 8.4	+ 9.8	+ 8.1
54	- 0.1	+ 1.3	- 9.3	- 9.5	+ 9.8	+22.0
55	- 1.9	+ 1.0	+ 1.3	- 4.4	+ 5.0	+12.4
56	+ 3.2	+ 2.8	- 5.6	- 5.3	+ 4.7	+ 8.9
57	- 7.4	+ 3.2	-10.4	- 7.6	+ 7.6	+16.3
58	- 1.8	+ 1.0	- 6.7	- 5.8	+ 4.5	+16.0

TABLE AII. 273 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
59	- 7.9	+ 5.3	-11.0	- 6.6	+12.0	+16.9
60	+ 2.0	+ 4.2	- 8.9	-----	-----	+12.5
61	- 3.9	-----	- 7.8	- 6.5	+ 6.5	+14.2
48	+ 2.0	+ 1.4	- 9.4	- 8.4	+ 3.5	+ 9.1
62	+ 2.5	+ 4.4	- 3.6	- 3.3	+ 6.3	+20.5
63	- 1.4	+ 0.8	- 1.2	- 0.9	+ 2.0	+ 6.3
64	+ 2.6	+ 1.9	- 5.7	- 4.5	+ 8.9	+12.3
65	+ 3.4	+ 1.6	- 2.6	- 0.7	+ 6.1	+ 9.2
66	+ 0.9	- 0.8	- 0.7	- 2.9	- 0.6	+13.2

TABLE AII. 274

NITROGEN BALANCE: FLIGHT 4
(gm/day)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
68	+ 2.6	+ 0.8	-12.3	-----	-----	+11.2
69	- 0.7	- 1.2	-14.0	-14.0	+ 4.1	+10.6
70	+ 3.5	- 1.1	-12.2	-10.1	+ 4.9	+ 9.3
71	+ 0.3	- 2.4	- 7.5	- 7.0	+ 7.4	+17.9
72	+ 0.3	- 1.6	- 9.5	- 8.5	+ 7.0	+11.2
73	- 0.5	+ 1.0	-11.2	- 5.6	+ 8.6	+10.6
74	+ 1.1	+ 2.5	- 7.2	- 5.2	+ 9.5	+12.1
75	- 1.0	+ 2.9	- 6.3	-14.5	+ 5.9	+12.9
76	+ 0.8	+ 1.3	- 8.4	- 8.3	+ 5.8	+13.1
77	0.0	+ 1.7	- 2.1	- 4.6	+ 9.3	+11.5
78	+ 2.0	+ 1.1	- 4.6	- 5.2	+ 5.2	+10.1
79	+ 2.7	+ 1.0	-10.8	- 7.8	+ 8.2	+11.7
80	+ 0.1	+ 0.6	-12.1	- 7.9	+ 5.3	+12.9
81	+ 0.6	+ 1.1	- 6.6	- 4.9	+10.8	+16.2
82	+ 1.3	+ 1.3	- 9.3	- 7.9	+ 7.5	+11.5
83	+ 0.3	+ 1.2	- 7.1	- 4.2	+ 3.8	+ 8.9
84	+ 0.2	+ 0.6	- 5.8	- 5.5	+ 9.9	+ 8.3
85	+ 2.5	- 1.9	- 3.5	- 6.0	+ 1.2	+10.6
86	- 1.9	- 0.3	- 3.3	- 3.5	+ 3.4	+11.8
87	+ 2.9	- 1.7	- 2.3	- 0.7	+ 6.9	+ 9.0
88	+ 4.4	+ 2.0	- 2.3	+ 2.4	+ 7.8	+10.3

TABLE AII. 275

SODIUM BALANCE: FLIGHT 1
(mEq/day)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
1	+ 49	+ 56	----	----	----	+ 22
2	- 4	+ 14	- 89	- 69	+ 99	+ 11
3	+114	+ 10	-107	- 74	+197	- 43
4	+ 15	0	- 84	----	----	- 5
5	+ 61	+ 21	- 75	- 35	+171	- 40
6	+ 28	- 24	- 89	- 40	+152	+ 23
7	+ 32	+ 64	- 67	- 42	+168	- 40
8	+ 62	----	----	- 28	+126	- 15
9	+ 35	+ 26	- 25	+ 16	+145	- 5
10	+ 46	+ 74	- 31	- 19	+112	+ 41
11	+ 71	+ 22	- 49	- 6	+217	- 86
12	+ 55	+ 44	- 43	- 2	+ 71	- 2
13	+ 43	+ 50	- 42	- 58	+127	+109
14	+147	+ 31	- 45	- 36	+ 93	- 77
15	+ 98	+ 25	- 60	- 63	+ 69	+ 89
16	+ 85	----	----	- 9	+ 43	+ 38
17	+113	+ 33	- 33	- 19	+172	+ 43
18	+ 96	+ 43	- 18	- 10	+151	+ 27
19	+ 94	+ 34	- 7	+ 9	+111	+ 18
20	+ 77	+ 25	+ 21	+ 26	+129	+134
21	+ 92	+ 78	+ 17	+ 30	+ 90	+ 41
22	+ 80	+ 9	+ 30	+ 42	+ 80	+ 62

TABLE AII. 276

SODIUM BALANCE: FLIGHT 2
(mEq/day)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
23	+ 82	+ 37	- 91	- 35	+187	+ 27
24	+ 46	+ 40	- 75	- 35	+158	+ 44
25	+ 60	+ 33	- 81	- 38	+184	- 67
26	+ 94	+ 64	-122	- 69	+207	- 26
27	+ 61	+ 51	- 68	- 47	+162	- 29
28	+ 88	+ 69	- 42	- 28	+170	- 70
29	+ 81	+ 59	- 38	- 32	+ 73	- 34
30	+ 56	+ 44	- 46	- 26	+113	- 3
31	+ 31	+ 21	- 60	- 16	+105	- 49
32	+ 65	+ 72	- 64	- 20	+166	- 52
33	+ 45	- 7	- 30	+ 17	+ 82	+ 36
34	+ 40	+ 33	- 29	- 5	+144	+ 4
35	+ 29	+ 32	- 36	- 35	+ 59	+ 37

TABLE AII. 276 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
36	+ 37	+ 34	- 45	- 86	+ 88	- 57
37	+101	+ 19	- 33	- 19	+ 28	+ 64
38	+ 66	+ 93	- 1	+ 17	+ 46	- 91
39	+ 54	+ 32	- 10	- 3	+192	- 20
40	+ 75	+ 34	- 36	- 27	+ 66	- 42
41	+ 27	- 12	- 10	+ 53	+135	- 5
42	+ 45	----	+ 31	+ 19	+ 72	+ 6
43	+ 68	+ 56	+ 25	+ 22	+ 37	+ 20
44	+ 51	+ 26	- 6	+ 31	+ 54	+ 6

TABLE AII. 277

SODIUM BALANCE: FLIGHT 3
(mEq/day)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
45	+ 54	+ 34	- 60	- 16	+127	- 37
46	+ 50	- 7	- 50	- 15	+108	- 3
47	+ 61	+ 36	- 60	----	----	+ 28
49	+ 74	+ 20	- 23	- 11	+134	- 94
50	+ 48	+ 3	- 48	- 9	+159	+ 61
51	+ 51	+ 15	- 34	- 18	+109	- 20
52	+ 42	+ 63	- 68	- 25	+159	+ 32
53	+ 83	+ 46	- 27	+ 21	+202	- 61
54	+ 10	+ 29	- 21	- 16	+167	+107
55	+ 74	+ 52	+ 19	+ 13	+139	+ 19
56	+ 23	+ 22	- 34	- 34	+156	+ 8
57	+ 72	+116	- 35	- 51	+115	+ 7
58	+ 36	+ 9	- 32	- 2	+ 81	0
59	+ 47	+ 38	- 20	- 50	+230	- 11
60	+109	+ 35	+ 6	----	----	- 14
61	+ 22	----	+ 11	- 24	+134	+ 40
48	+ 19	+ 17	- 15	- 4	+166	- 52
62	+ 32	+ 34	- 17	- 1	+164	+ 25
63	+103	+ 48	+ 68	+ 54	+ 83	- 4
64	+ 33	+ 3	- 6	+ 8	+177	+ 17
65	- 27	+ 31	+ 16	+ 36	+ 89	- 23
66	+ 33	- 27	+ 11	+ 38	+ 71	- 52

TABLE AII. 278

SODIUM BALANCE: FLIGHT 4
(mEq/day)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
68	+ 98	+ 6	- 60	----	----	-115
69	+ 14	+ 9	- 52	- 15	+234	-144
70	+ 58	+ 51	- 30	- 15	+119	- 45
71	+ 84	+ 2	- 44	- 13	+206	- 55
72	+ 64	+ 8	- 44	- 13	+116	- 9
73	+ 29	- 2	- 38	- 17	+ 99	- 49
74	+ 68	+ 54	- 22	- 7	+189	- 32
75	+ 71	+ 79	- 20	- 19	+114	- 11
76	+ 28	+ 36	- 20	- 15	+ 81	+ 4
77	- 1	+ 27	- 5	+ 2	+142	+ 10
78	+ 63	+ 34	- 40	+ 6	+115	- 37
79	+ 60	+ 37	- 21	- 18	+110	- 88
80	+105	+ 53	- 19	- 20	+ 99	- 54
81	+ 50	+ 44	+ 6	- 18	+167	- 21
82	+ 58	+ 28	- 2	- 10	+ 89	- 79
83	+ 42	+ 49	- 19	- 17	+ 76	- 32
84	+ 13	+ 21	- 29	+ 3	+148	- 58
85	+ 63	- 13	+ 24	+ 30	+ 82	- 25
86	+ 30	+ 52	+ 16	+ 57	+ 78	+ 14
87	+ 47	- 36	+ 37	+ 46	+118	- 22
88	+ 58	+ 21	+ 39	+ 94	+111	- 19

TABLE AII. 279

POTASSIUM BALANCE: FLIGHT 1
(mEq/day)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
1	-19	-11	---	---	---	+43
2	-10	- 7	-39	-35	+29	+66
3	+30	- 2	-45	-30	+12	+65
4	-39	+ 1	-44	---	---	+64
5	-20	-17	-55	-43	+41	+23
6	-31	-29	-42	-33	+23	+41
7	-50	+ 6	-45	-32	+51	+41
8	-30	---	---	-34	+52	+33
9	-28	+17	-27	- 6	+39	+40
10	-17	- 1	-29	-15	+39	+45
11	-24	-24	-19	- 6	+24	+33
12	-12	- 1	-22	- 1	+12	+25
13	+ 7	+ 8	-43	-29	+11	+59
14	+22	+14	-39	-35	+30	+51

TABLE AII. 279 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
15	- 8	-22	-56	-52	+ 4	+79
16	+12	---	---	-22	+15	+43
17	- 8	-13	-58	-43	+25	+47
18	- 8	-10	-38	-34	+16	+42
19	- 8	- 7	-34	-28	+ 4	+50
20	- 3	- 1	-23	- 8	+30	+82
21	- 5	- 6	-19	- 8	- 6	+44
22	-10	-25	-23	-26	-29	+31

TABLE AII. 280

POTASSIUM BALANCE: FLIGHT 2
(mEq/day)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
23	+23	+ 5	-44	-24	+27	+49
24	+11	+ 3	-37	-20	+46	+59
25	-10	-10	-34	-19	+ 4	+43
26	+17	+16	-44	-15	+40	+69
27	+18	+15	-35	-20	+38	+36
28	- 8	-14	-31	-20	+23	+51
29	+ 5	0	-26	-20	+ 3	+36
30	+12	+ 5	-25	-17	+37	+44
31	+ 9	+ 1	-27	-22	+26	+31
32	0	+11	-25	-20	+20	+33
33	-14	- 1	-23	+ 3	+22	+57
34	-13	+ 3	- 9	-19	+40	+42
35	-12	+ 2	-28	-28	+25	+66
36	-38	-12	-43	-36	+ 3	+58
37	-25	- 7	-31	-21	+ 4	+61
38	-18	0	-26	-26	+ 8	+49
39	-26	0	-14	-17	+49	+46
40	-13	+ 1	-24	-27	+33	+31
41	-26	- 2	-18	-11	+30	+39
42	-15	---	-13	-21	+ 6	+34
43	+ 9	+10	-13	-19	- 1	+38
44	-23	-13	-26	-25	+18	+26

TABLE AII. 281

POTASSIUM BALANCE: FLIGHT 3
(mEq/day)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
45	-25	-17	-46	-39	+ 8	+55
46	-13	-12	-36	-31	+32	+51
47	-12	+ 2	-22	---	---	+67
49	- 9	- 5	-22	-18	+16	+15
50	- 9	- 6	-31	-19	+31	+43
51	+ 5	- 6	-33	-21	+27	+16
52	+ 3	+ 7	-33	-14	+18	+33
53	+ 6	- 3	-18	-34	+31	- 3
54	-25	- 8	-26	-36	+34	+53
55	-17	- 2	-11	-18	+58	+43
56	-13	+ 5	-26	+ 1	+11	+45
57	-15	+ 5	-41	-31	+20	+57
58	-15	- 1	-18	-19	+30	+49
59	-34	+ 7	-36	-33	+67	+50
60	-22	-12	-26	---	---	+50
61	-37	---	-25	-27	+15	-12
48	0	- 5	-34	-37	+10	+21
62	-23	+ 5	-20	-19	+24	+66
63	- 4	- 3	- 3	- 4	- 3	+29
64	-31	- 3	-33	-21	+12	+42
65	-17	- 6	-25	-23	+ 9	+11
66	-35	-29	-29	-39	-10	+35

TABLE AII. 282

POTASSIUM BALANCE: FLIGHT 4
(mEq/day)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
68	- 5	+ 9	-37	---	---	+34
69	-13	-13	-41	-34	+ 7	+31
70	-11	- 4	-30	-34	+11	+24
71	-11	- 6	-33	-22	+36	+59
72	-10	- 2	-27	-25	+19	+53
73	-25	- 6	-32	-13	+27	+33
74	-21	-15	-23	- 9	+14	+37
75	-15	+12	-20	-35	+11	+49
76	-22	- 8	-24	-41	+39	+43
77	-14	+ 6	-10	-33	+53	+48
78	+12	+ 3	-19	-22	+34	+22
79	- 7	+14	-36	-32	+33	+50
80	-13	+10	-35	-27	+ 5	+58

TABLE AII. 282 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
81	-12	+ 7	-25	-23	+35	+71
82	-18	- 6	-28	-34	+24	+42
83	-24	+ 2	-28	-19	+15	+39
84	-20	-14	-21	-24	+33	+23
85	-13	-18	-22	-27	- 1	+34
86	- 5	- 2	-20	-15	+13	+44
87	- 2	+ 3	-12	-15	+18	+77
88	- 3	+ 6	- 9	-16	+25	+41

TABLE AII. 283

CHLORIDE BALANCE: FLIGHT 1
(mEq/day)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
1	+ 53	+ 29	----	----	----	----
2	+ 38	+ 45	- 90	- 35	+121	----
3	+118	+ 64	-104	- 45	+277	----
4	+ 39	+ 34	- 98	----	----	----
5	+ 59	+ 24	-106	- 25	+141	----
6	+ 41	+ 39	-102	- 25	+133	----
7	+ 20	+ 90	- 90	- 31	+177	----
8	+ 60	----	----	- 29	+123	----
9	+ 10	+ 41	-107	- 34	+ 70	----
10	+ 26	+ 47	- 99	- 42	+ 70	----
11	+ 63	- 23	-139	- 95	+179	----
12	+ 63	+ 31	-149	-106	+ 77	----
13	+114	+ 21	- 43	- 33	+160	----
14	+126	+ 43	- 47	- 35	+ 99	----
15	+ 96	+ 37	- 37	- 22	+ 41	----
16	+ 66	----	----	- 13	+ 36	----
17	+103	+ 35	- 71	- 30	+169	----
18	+ 77	+ 41	- 61	- 23	+149	----
19	+ 64	+ 45	-100	- 69	+154	----
20	-124	+ 42	- 79	- 59	+118	----
21	+ 94	+ 80	- 79	- 67	+ 93	----
22	+ 85	+ 21	- 69	- 52	+ 74	----

TABLE AII. 284

CHLORIDE BALANCE: FLIGHT 2
(mEq/day)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
23	+104	+ 36	-109	- 45	+170	----
24	+ 64	+ 50	- 87	- 31	+145	----
25	+ 48	-148	- 80	- 29	+152	----
26	+104	+ 96	-118	- 49	+178	----
27	+ 75	+ 66	- 84	- 29	+158	----
28	+103	+ 53	- 73	- 29	+178	----
29	+ 77	+ 55	- 76	- 29	+ 95	----
30	+ 49	+ 37	- 76	- 27	+137	----
31	+ 61	+ 16	-101	- 54	+ 99	----
32	+ 71	+ 75	-111	- 65	+134	----
33	+ 55	+ 13	-101	-108	+ 95	----
34	+ 38	+ 52	-135	- 98	+117	----
35	+ 73	+ 56	- 50	- 17	+ 69	----
36	+ 42	+ 17	- 50	- 78	+ 77	----
37	+ 99	+ 63	- 30	- 16	+267	----
38	+ 56	+ 89	- 18	+ 26	+153	----
39	+ 53	+ 33	- 51	- 12	+170	----
40	+101	+ 68	- 71	- 16	+280	----
41	+ 65	+ 16	-104	- 30	+130	----
42	+ 64	----	- 75	- 71	+ 77	----
43	+ 84	+ 62	- 83	- 86	+ 47	----
44	+ 81	+ 49	-102	- 37	+ 48	----

TABLE AII. 285

CHLORIDE BALANCE: FLIGHT 3
(mEq/day)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
45	+ 24	+ 13	- 65	- 34	+153	----
46	+ 12	- 16	- 74	- 26	+133	----
47	+ 45	+ 46	- 53	----	----	----
49	+ 56	- 1	- 53	- 28	+153	----
50	+ 30	- 17	- 51	- 30	+182	----
51	+ 57	+ 14	- 55	- 35	+121	----
52	+ 19	+ 17	- 53	- 24	+138	----
53	+ 74	+ 12	- 84	- 71	+189	----
54	- 2	+ 9	- 95	- 72	+141	----
55	+ 22	+ 18	-112	-104	+ 81	----
56	+ 20	+ 18	-147	-121	+104	----
57	+ 40	+ 22	- 39	- 42	+ 63	----
58	+ 41	+ 13	- 31	+ 1	+ 74	----

TABLE AII. 285 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
59	+ 14	+ 15	- 26	- 31	+202	-----
60	+ 60	+ 23	- 6	-----	-----	-----
61	- 13	-----	- 1	+ 31	+132	-----
48	+ 31	- 3	- 51	- 44	+157	-----
62	+ 63	+ 51	- 25	- 16	+158	-----
63	+ 14	+ 35	- 31	- 32	+ 92	-----
64	+ 46	+ 7	- 50	- 66	+151	-----
65	+ 61	+ 11	- 87	- 71	+104	-----
66	- 8	+ 14	- 89	- 71	+ 94	-----

TABLE AII. 286

CHLORIDE BALANCE: FLIGHT 4
(mEq/day)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
68	+ 10	- 6	- 69	-----	-----	-----
69	+ 11	+ 3	- 78	- 28	+147	-----
70	+ 41	+ 38	- 57	- 28	+121	-----
71	+ 48	+ 5	- 53	- 28	+200	-----
72	+ 50	+ 22	- 59	- 28	+127	-----
73	+ 11	- 17	- 61	- 32	+129	-----
74	+ 30	+ 47	- 47	- 30	+114	-----
75	+ 39	+ 80	- 78	- 62	+197	-----
76	+ 1	+ 29	- 90	- 66	+ 75	-----
77	- 13	+ 24	-104	- 98	+143	-----
78	+ 32	+ 29	-148	-106	+ 87	-----
79	+ 22	+ 21	- 58	- 12	+ 95	-----
80	+ 4	+ 25	- 27	- 18	+ 81	-----
81	+ 24	+ 32	- 3	- 13	+158	-----
82	+ 44	+ 29	+ 5	- 7	+ 88	-----
83	+ 19	- 31	- 52	- 28	+ 85	-----
84	- 18	+ 29	- 83	- 18	+150	-----
85	+ 52	- 10	- 60	- 58	+ 77	-----
86	+ 12	+ 33	- 70	- 50	+ 73	-----
87	+ 32	- 42	- 81	- 52	+111	-----
88	+ 53	+ 8	- 67	+ 4	+119	-----

TABLE AII. 287

BODY FAT - PER CENT BODY WEIGHT: FLIGHT 1
(% Body Fat)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
1	2.9	4.9	---	---	---	6.1
2	4.7	4.1	3.5	3.0	3.7	4.0
3	3.3	6.2	5.1	3.0	5.2	5.5
4	4.9	4.8	3.7	---	---	4.6
5	5.8	5.0	4.1	3.5	5.0	5.0
6	5.5	3.8	3.6	2.7	3.5	3.8
7	2.6	3.4	3.8	3.1	3.1	4.4
8	9.8	---	---	7.5	8.0	8.0
9	2.6	2.6	3.0	2.9	2.9	4.0
10	4.0	2.7	2.8	2.1	3.4	3.9
11	4.4	3.7	3.7	3.0	3.5	4.5
12	28.1	24.5	27.1	28.5	29.5	26.3
13	5.8	3.6	4.1	4.5	4.5	4.2
14	4.0	3.6	3.0	3.3	2.7	5.0
15	5.5	4.8	3.4	3.8	5.5	5.2
16	6.0	6.0	---	5.4	5.5	8.0
17	4.8	4.1	3.6	3.9	4.0	5.2
18	4.4	4.8	4.7	3.8	3.7	4.5
19	2.6	3.4	2.9	2.5	3.2	4.4
20	4.3	6.9	4.9	4.3	4.9	6.0
21	3.8	3.7	3.3	3.2	2.6	3.5
22	6.1	8.3	8.4	9.0	5.1	8.0
90	4.7	3.8	4.7	4.7	4.0	5.6
91	13.6	16.9	19.0	17.9	20.4	20.8
92	7.9	5.5	4.8	10.8	7.4	13.0

TABLE AII. 288

BODY FAT - PER CENT BODY WEIGHT: FLIGHT 2
(% Body Fat)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
23	8.8	9.6	5.7	5.3	6.0	5.0
24	7.1	7.0	5.4	4.8	6.4	5.6
25	5.4	4.2	4.4	3.6	4.7	5.0
26	6.1	5.2	5.6	4.0	4.6	8.0
27	6.4	5.8	5.8	3.4	6.7	5.1
28	8.5	7.2	7.6	3.8	6.8	---
29	5.1	4.8	4.4	4.5	4.2	4.2
30	4.8	4.8	3.5	2.7	4.0	3.8
31	4.2	4.0	3.1	3.9	3.8	4.0
32	4.6	4.5	4.2	5.0	5.1	3.8
33	5.0	5.2	3.4	5.0	5.6	5.0

TABLE AII. 288 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
34	4.0	4.0	3.6	3.2	4.1	4.9
35	3.9	4.0	4.6	3.5	5.7	4.0
36	4.0	3.9	3.9	3.0	3.6	4.0
37	4.7	4.9	4.4	4.3	4.4	4.0
38	7.0	6.6	5.7	5.0	5.1	5.1
39	5.7	6.2	5.1	3.8	7.1	5.0
40	6.0	7.4	6.1	6.0	5.7	5.0
41	5.5	4.9	4.4	4.0	5.8	4.5
42	7.3	---	4.3	3.1	5.5	5.4
43	6.1	7.4	5.4	6.2	5.6	5.2
44	4.3	3.4	3.5	3.5	4.6	4.6
93	8.7	7.6	11.6	9.5	11.5	6.9
94	7.0	5.9	4.6	5.5	7.4	5.0
95	11.4	12.1	16.7	12.0	19.5	10.5

TABLE AII. 289

BODY FAT - PER CENT BODY WEIGHT: FLIGHT 3
(% Body Fat)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
45	---	7.5	4.4	4.5	5.2	7.6
46	7.2	4.6	5.4	3.5	4.2	5.0
47	4.1	6.4	2.6	---	---	8.1
49	1.7	3.4	2.9	3.7	3.0	3.6
50	2.9	5.8	3.5	4.8	4.9	8.4
51	2.8	5.5	3.5	4.5	5.5	4.2
52	3.9	4.0	3.9	4.0	3.1	5.0
53	5.4	7.1	8.2	6.8	8.2	8.6
54	6.4	5.5	6.4	4.7	5.3	8.0
55	4.8	5.1	4.5	4.2	4.9	7.5
56	3.4	4.9	4.1	4.7	4.9	4.3
57	5.0	4.3	5.8	4.9	5.4	5.0
58	5.1	4.1	4.5	4.0	3.7	5.6
59	4.8	6.3	5.6	4.8	5.4	7.5
60	6.4	7.1	5.6	---	---	8.0
61	6.1	---	7.4	4.7	6.9	8.5
48	2.4	4.4	4.1	3.0	4.4	7.8
62	3.1	3.4	3.1	2.7	3.8	4.5
63	---	12.3	11.8	7.3	9.9	11.0
64	3.1	3.6	3.7	2.5	3.0	3.2
65	3.0	4.6	4.0	5.5	5.0	4.8
66	5.1	4.9	4.8	4.1	4.1	7.8
96	3.7	4.5	3.8	4.4	5.0	3.9
97	3.9	4.2	4.0	4.4	4.0	5.0
98	4.5	3.5	4.6	3.8	3.1	4.9

TABLE AII. 290

BODY FAT - PER CENT BODY WEIGHT: FLIGHT 4
(% Body Fat)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
68	3.1	4.0	3.6	---	---	5.0
69	2.6	4.0	3.4	3.0	2.8	3.6
70	3.6	5.3	4.1	3.5	4.3	5.0
71	2.6	3.9	3.5	3.5	3.7	3.5
72	3.0	4.0	3.6	3.5	4.0	4.9
73	3.8	4.6	4.1	3.3	4.6	4.7
74	3.3	4.4	4.2	4.5	4.9	5.4
75	4.4	6.0	4.1	4.2	---	5.0
76	3.9	4.2	3.4	3.0	3.6	4.3
77	3.8	3.9	4.0	3.8	4.0	4.0
78	3.4	3.6	3.6	3.6	3.5	4.7
79	4.4	5.3	4.6	3.5	3.5	4.8
80	3.8	4.5	4.6	4.9	5.2	5.0
81	3.5	3.7	3.6	3.4	3.9	4.8
82	4.2	4.9	4.2	4.5	4.4	5.3
83	4.1	4.0	4.1	2.7	3.6	4.2
84	3.4	4.5	4.3	3.9	3.8	3.8
85	5.4	6.6	5.7	7.0	4.4	5.8
86	2.6	2.7	2.8	3.1	2.4	3.5
87	---	9.0	5.2	5.0	4.4	5.0
88	3.5	3.4	3.5	3.2	3.5	4.9
99	9.5	14.6	13.5	13.0	10.1	14.0
100	10.1	13.3	16.0	12.5	9.6	---
101	3.8	4.7	4.1	5.7	3.0	4.0

TABLE AII. 291

BODY FAT - KILOGRAMS: FLIGHT 1
(kg Body Fat)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
1	1.6	2.7	---	---	---	3.6
2	2.7	2.3	1.9	1.6	2.0	2.3
3	2.4	4.6	3.7	2.0	3.7	4.1
4	2.9	2.9	2.3	---	---	2.8
5	3.9	3.4	2.7	2.2	3.4	3.4
6	3.0	2.1	1.9	1.3	1.8	2.1
7	1.9	2.4	2.6	2.0	2.2	3.2
8	7.6	---	---	5.5	6.2	6.2
9	1.3	1.3	1.5	1.4	1.5	2.1
10	2.2	1.5	1.5	1.1	2.0	2.4
11	3.4	2.6	2.5	2.0	2.5	3.2
12	26.8	23.0	24.8	25.6	26.8	24.0

TABLE AII. 291 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
13	4.1	2.5	2.8	2.9	3.1	2.9
14	2.8	2.4	1.9	2.1	1.9	3.4
15	3.9	3.4	2.3	2.5	3.8	3.6
16	3.7	3.6	---	3.1	3.3	4.9
17	3.1	2.7	2.2	2.3	2.6	3.4
18	2.5	2.7	2.6	2.0	2.1	2.7
19	1.6	2.1	1.8	1.5	2.0	2.8
20	2.6	4.3	3.0	2.6	3.1	3.9
21	2.2	2.1	1.9	1.8	1.5	2.1
22	4.3	5.9	5.9	6.3	3.5	5.6
90	3.5	2.8	3.5	3.5	2.9	4.1
91	12.5	15.5	17.6	16.5	18.6	19.0
92	5.7	4.0	3.5	7.8	5.4	9.5

TABLE AII. 292

BODY FAT - KILOGRAMS: FLIGHT 2
(kg Body Fat)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
23	6.2	6.9	3.8	3.3	4.0	3.5
24	4.3	4.2	3.0	2.6	3.8	3.4
25	2.7	2.9	2.8	2.2	3.4	3.5
26	4.7	3.9	3.8	2.7	3.5	6.2
27	4.3	3.8	3.6	2.0	4.5	3.4
28	5.9	5.0	5.0	2.4	4.6	---
29	3.3	3.1	2.7	2.7	2.6	2.6
30	2.6	2.6	1.8	1.4	2.3	2.1
31	2.6	2.4	1.8	2.2	2.4	2.4
32	3.1	3.0	2.6	3.1	3.6	2.6
33	2.7	2.8	1.7	2.4	3.1	2.8
34	2.8	2.8	2.4	2.1	3.0	3.6
35	2.3	2.3	2.6	1.9	3.3	2.4
36	2.6	2.5	2.4	1.8	2.4	2.7
37	3.3	3.5	3.0	2.9	3.1	2.9
38	5.1	4.8	3.9	3.3	3.6	3.7
39	3.5	3.9	2.9	2.1	4.5	3.2
40	4.5	4.5	4.3	4.1	4.2	3.7
41	4.0	3.6	3.1	2.6	4.4	3.4
42	5.1	---	2.8	2.0	3.8	3.8
43	4.0	4.9	3.4	3.8	3.7	3.4
44	3.2	2.5	2.5	2.4	3.4	3.4
93	5.5	4.8	7.3	6.0	7.2	4.3
94	4.6	3.9	3.1	3.7	5.0	3.4
95	10.1	10.7	15.1	10.8	17.3	9.3

TABLE AII. 293

BODY FAT - KILOGRAMS: FLIGHT 3
(kg Body Fat)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
45	---	5.9	3.3	3.2	3.9	6.0
46	4.6	2.9	3.1	2.0	2.5	3.1
47	2.6	4.0	1.5	---	---	5.2
49	1.0	2.0	1.6	1.9	1.7	2.1
50	1.8	3.6	2.1	2.7	3.0	5.3
51	1.9	3.7	2.3	2.8	3.7	2.8
52	2.5	2.5	2.3	2.3	1.9	3.1
53	3.8	5.0	5.6	4.4	5.7	6.0
54	4.2	3.6	4.0	2.8	3.4	5.3
55	2.8	2.9	2.6	2.4	3.0	4.6
56	2.1	3.0	2.4	2.7	3.1	2.7
57	3.5	3.1	4.0	3.2	3.7	3.6
58	2.8	2.3	2.4	2.1	2.0	3.2
59	3.4	4.7	4.0	3.3	3.8	5.8
60	4.5	5.0	3.8	---	---	5.6
61	4.0	---	4.8	3.0	4.5	5.7
48	1.5	2.8	2.4	1.8	2.8	5.0
62	1.6	1.8	1.6	1.4	2.0	2.4
63	---	9.0	8.3	5.1	7.0	7.9
64	2.4	2.8	2.8	1.9	2.3	2.4
65	1.9	2.9	2.5	3.4	3.2	3.1
66	3.7	3.5	3.4	2.9	3.0	5.8
96	2.6	3.1	2.7	3.1	3.5	2.7
97	2.6	2.8	2.7	3.0	2.8	3.4
98	3.1	2.4	3.3	2.7	2.2	3.4

TABLE AII. 294

BODY FAT - KILOGRAMS: FLIGHT 4
(kg Body Fat)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
68	2.0	2.6	2.2	---	---	3.3
69	1.9	2.8	2.2	1.9	2.0	2.6
70	2.2	3.2	2.1	1.9	2.6	3.0
71	1.7	2.5	2.1	2.1	2.5	2.3
72	1.8	2.4	2.0	1.9	2.4	2.9
73	2.3	2.8	2.4	1.9	2.8	2.9
74	2.5	3.4	3.0	3.2	3.7	4.1
75	3.0	4.0	2.7	2.6	---	3.3
76	2.3	2.5	1.9	1.7	2.2	2.6
77	2.1	2.1	2.0	1.9	2.3	2.3
78	2.0	2.1	2.0	1.9	2.1	2.7

TABLE AII. 294 (contd)

Subject Code No.	P I	P II	EXP I	EXP II	REC I	REC II
79	2.6	3.2	2.6	2.0	2.1	2.9
80	2.5	2.9	2.8	3.0	3.4	3.3
81	2.3	2.4	2.3	2.0	2.6	3.2
82	2.8	3.2	2.7	2.8	2.9	3.5
83	2.4	2.3	2.3	1.5	2.2	2.4
84	1.9	2.4	2.3	2.1	2.3	2.2
85	3.7	4.5	3.9	4.5	2.9	4.0
86	1.4	1.5	1.5	1.6	1.3	1.9
87	---	5.5	3.2	3.0	2.8	3.1
88	2.3	2.0	2.2	1.9	2.3	3.2
99	7.0	10.7	9.9	9.6	7.4	10.3
100	7.4	9.7	11.6	9.0	7.0	---
101	2.3	2.8	2.5	3.5	1.8	2.4

TABLE AII. 295

DAILY BODY WEIGHT: FLIGHT 1
(kg)

Period	Date	Subject Code No.						
		1	2	3	4	5	6	7
P I	F22	57.0	57.9	73.2	60.5	68.5	54.4	72.5
	23	57.1	57.5	73.1	60.5	67.5	54.0	72.5
	24	56.7	57.8	73.5	60.5	67.2	54.7	72.0
	25	56.5	57.3	72.5	60.2	67.5	54.3	71.1
	26	56.6	57.2	72.6	58.9	68.0	54.5	71.5
	27	56.5	57.0	73.0	59.8	67.8	54.0	71.2
	28	56.2	57.0	73.0	60.5	68.4	55.0	71.7
P II	M 1	55.9	56.9	73.8	60.3	68.0	54.6	71.1
	2	55.6	57.0	73.8	60.3	67.0	54.7	71.2
	3	55.7	56.8	74.0	59.8	67.6	55.1	71.5
	4	55.6	57.0	72.4	59.3	67.6	54.3	71.0
	5	55.7	56.6	73.0	59.2	67.7	53.0	71.0
	6	56.6	57.3	72.6	59.4	68.0	53.5	70.7
	7	55.9	56.9	72.6	59.4	67.0	53.3	71.0
EXP I	8	----	----	----	----	----	----	----
	9	55.1	55.6	71.5	58.4	66.9	52.7	69.5
	10	54.1	55.3	70.2	58.0	66.0	52.0	68.9
	11	53.8	54.4	69.6	56.1	65.5	51.8	68.5
	12	54.0	54.3	68.3	55.8	64.8	51.6	68.0
	13	55.0	53.5	67.4	55.7	64.8	51.3	68.0
	14	57.3	53.0	67.2	54.8	64.0	51.1	66.5
EXP II	15	57.3	52.4	67.0	54.3	63.5	50.7	67.0
	16	55.2	52.4	66.4	54.3	62.8	50.3	67.5
	17	55.5	52.5	66.1	54.3	62.8	50.1	67.2
	18	55.4	52.6	65.4	55.3	62.4	49.4	67.0
	19	55.3	52.4	65.7	55.3	61.9	49.4	66.6
	20	55.7	51.6	64.4	55.3	62.0	49.3	66.5
	21	55.7	51.3	65.3	55.7	61.2	49.0	66.6
REC I	22	----	----	----	----	----	----	----
	23	55.1	52.8	64.1	54.9	62.1	49.1	67.5
	24	----	----	----	----	----	----	----
	25	55.6	53.9	68.6	55.5	65.2	51.0	70.4
	26	56.6	55.1	70.7	58.2	67.6	52.2	72.0
	27	56.9	55.6	70.5	58.7	68.7	52.5	72.1
	28	56.6	56.9	75.1	60.1	69.0	53.3	73.4
REC II	29	57.4	56.5	75.9	59.7	69.4	54.0	73.2
	30	57.5	56.5	74.1	59.7	68.8	53.8	72.0
	31	57.9	56.6	73.0	59.7	68.8	53.2	71.2
	A 1	57.5	56.5	73.9	59.8	67.5	53.4	72.1
	2	58.2	57.0	74.0	60.4	68.6	54.4	72.7
	3	57.8	56.6	73.7	60.1	68.7	54.3	73.2
	4	58.1	57.4	73.5	61.1	69.0	54.1	73.2
	5	58.2	57.5	74.6	61.4	69.6	55.6	72.7

TABLE AII. 295 (contd)

Period	Date	Subject Code No.					
		8	9	10	11	12	13
P I	F22	78.4	----	56.0	70.1	95.2	69.7
	23	78.5	51.7	----	70.7	96.0	69.4
	24	78.3	51.2	56.3	70.8	96.1	70.3
	25	----	50.5	56.1	70.3	95.2	70.4
	26	78.0	50.3	56.0	70.2	95.2	70.7
	27	77.4	49.6	56.0	70.4	94.1	70.3
	28	78.5	50.4	56.3	71.2	95.0	71.2
	M 1	78.5	50.4	56.3	70.7	94.8	71.4
P II	2	77.6	49.7	55.7	69.8	94.1	70.6
	3	77.1	49.8	56.1	69.8	94.0	70.6
	4	----	49.8	55.9	69.8	94.0	70.2
	5	----	50.8	56.2	69.9	93.9	70.9
	6	----	50.7	56.2	69.8	93.9	71.1
	7	----	51.0	56.3	69.8	93.3	70.6
	8	----	----	----	----	----	----
EXP I	9	----	47.5	56.1	69.3	93.1	69.3
	10	----	47.4	56.2	69.2	92.4	68.8
	11	----	49.2	54.6	68.5	91.4	68.5
	12	74.7	49.0	54.3	68.0	91.5	67.8
	13	74.8	48.5	53.9	68.6	91.5	67.5
	14	74.2	47.5	53.8	67.5	90.7	66.6
	15	74.2	48.0	53.4	67.0	90.2	66.2
	16	73.7	47.0	53.0	67.0	90.5	66.2
EXP II	17	73.4	47.2	53.0	67.1	90.6	65.8
	18	73.3	46.2	52.9	66.6	89.7	65.1
	19	73.0	46.4	52.8	66.7	89.8	65.2
	20	72.8	46.2	52.5	66.5	89.4	65.0
	21	72.9	46.3	53.0	66.0	89.4	64.3
	22	----	----	----	----	----	----
	23	73.6	46.4	55.4	67.0	89.8	64.0
REC I	24	----	----	----	----	----	----
	25	75.6	48.5	58.7	69.6	90.5	66.8
	26	77.1	50.4	59.5	71.5	91.0	69.0
	27	75.7	51.4	60.6	72.3	90.8	71.1
	28	76.5	51.0	60.4	73.9	90.6	71.2
	29	76.7	51.0	60.0	73.7	90.7	70.0
	30	76.7	51.0	59.5	71.8	90.8	68.4
	31	76.0	50.8	59.3	71.0	90.6	69.5
	A 1	76.6	51.8	58.9	70.8	91.3	70.0
	2	77.0	53.3	60.6	71.3	91.3	70.2
REC II	3	77.7	51.7	59.1	71.2	90.8	69.8
	4	77.9	51.4	59.3	70.9	91.1	69.8
	5	77.8	51.8	59.0	71.1	91.9	70.5

TABLE AII. 295 (contd)

Period	Date	Subject Code No.					
		14	15	16	17	18	19
P I	F22	67.6	70.0	59.7	65.6	57.3	61.7
	23	68.6	70.1	60.3	65.2	58.2	61.8
	24	69.3	70.4	60.5	65.1	58.3	63.0
	25	68.6	70.7	60.3	64.6	57.6	62.1
	26	68.8	70.6	60.8	64.7	57.5	62.5
	27	68.6	70.4	60.3	64.3	57.4	62.1
	28	68.9	71.1	60.3	64.8	57.6	62.8
P II	M 1	68.6	70.7	61.1	64.6	57.4	63.0
	2	68.4	70.3	60.3	63.9	57.1	62.0
	3	67.8	70.6	60.3	64.7	56.7	62.3
	4	68.0	69.8	59.7	64.4	56.3	61.9
	5	67.6	69.5	59.4	64.4	57.0	62.0
	6	68.0	70.0	-----	64.9	57.0	62.4
	7	67.5	70.3	-----	64.7	56.8	62.5
EXP I	8	-----	-----	-----	-----	-----	-----
	9	66.4	69.4	-----	63.5	56.3	62.2
	10	66.1	68.8	-----	63.0	55.7	62.0
	11	65.3	68.4	-----	62.5	55.3	62.0
	12	65.1	68.4	59.9	62.1	55.7	61.8
	13	64.6	67.9	59.4	62.0	54.8	61.5
	14	64.6	67.5	58.9	61.9	54.8	62.0
EXP II	15	64.1	67.0	58.7	61.4	54.3	61.6
	16	64.3	66.4	58.3	60.8	53.8	61.6
	17	63.8	66.2	58.4	60.8	53.8	61.5
	18	63.1	65.8	58.3	60.5	53.7	61.6
	19	63.3	65.6	58.0	59.7	53.4	61.1
	20	63.0	65.4	57.7	60.3	53.5	60.8
	21	64.1	65.3	57.4	59.9	53.7	60.7
REC I	22	-----	-----	-----	-----	-----	-----
	23	64.4	64.9	57.4	60.4	54.1	60.8
	24	-----	-----	-----	-----	-----	-----
	25	68.1	67.1	58.5	63.1	55.0	61.1
	26	69.4	68.8	59.5	66.1	57.5	62.3
	27	69.8	67.9	59.7	67.0	57.6	62.8
	28	70.1	68.6	60.3	67.0	58.3	64.0
REC II	29	68.9	69.4	60.3	65.7	58.1	64.2
	30	68.4	68.7	60.3	64.6	58.1	63.7
	31	68.6	68.5	60.2	64.5	57.6	63.2
	A 1	68.6	69.4	60.6	64.7	59.2	63.4
	2	68.1	69.7	61.4	65.0	59.1	63.8
	3	68.8	68.7	60.7	65.1	58.1	63.5
	4	69.4	69.2	60.6	65.1	58.1	63.5
	5	70.0	69.4	60.8	65.8	58.5	63.9

TABLE AII. 295 (contd)

Period	Date	Subject Code No.					
		20	21	22	90	91	92
P I	F22	63.4	58.0	70.6	----	----	----
	23	63.6	57.9	70.5	----	----	----
	24	63.0	58.4	70.7	74.1	91.8	71.8
	25	62.5	58.4	70.3	----	----	----
	26	61.1	58.6	70.8	----	----	----
	27	61.7	58.0	70.7	----	----	----
	28	61.1	58.9	71.2	----	----	----
	M 1	61.7	58.5	71.5	74.1	91.4	71.8
P II	2	61.6	57.8	71.0	----	----	----
	3	61.7	57.9	71.1	----	----	----
	4	61.3	58.4	70.7	----	----	----
	5	61.2	58.0	70.8	74.2	91.7	72.1
	6	61.8	58.6	71.2	----	----	----
	7	61.6	58.4	70.3	----	----	----
	8	----	----	----	----	----	----
EXP I	9	61.2	58.0	69.7	----	----	----
	10	61.2	57.6	69.8	----	----	----
	11	60.6	57.8	69.8	75.7	94.0	72.4
	12	60.5	58.1	69.5	----	----	----
	13	60.3	58.0	69.7	----	----	----
	14	60.4	58.4	69.9	----	----	----
	15	60.4	57.9	69.4	----	----	----
EXP II	16	60.6	58.0	69.3	----	----	----
	17	59.8	58.1	69.8	74.6	----	73.4
	18	59.9	57.9	69.3	----	----	----
	19	59.8	57.5	69.5	----	----	----
	20	59.4	57.4	69.9	73.0	90.7	72.0
	21	59.8	57.5	69.6	----	----	----
	22	----	----	----	----	----	----
REC I	23	60.0	57.5	68.0	----	----	----
	24	----	----	----	72.7	89.5	73.2
	25	61.3	58.2	68.3	----	----	----
	26	63.5	58.8	69.0	----	----	----
	27	63.1	58.9	68.8	----	----	----
	28	63.5	59.5	68.0	----	----	----
	29	63.6	59.6	68.6	----	----	----
REC II	30	64.2	59.5	69.5	----	----	----
	31	64.2	58.6	69.2	73.9	92.7	72.7
	A 1	64.5	58.5	69.0	----	----	----
	2	64.7	59.0	70.5	----	----	----
	3	64.8	58.6	69.1	----	----	----
	4	64.0	58.8	69.5	73.3	92.0	72.2
	5	64.7	59.7	68.9	----	----	----

TABLE AII. 296

DAILY BODY WEIGHT: FLIGHT 2
(kg)

Period	Date	Subject Code No.					
		23	24	25	26	27	28
P I	F22	69.3	59.4	----	74.6	66.0	68.5
	23	69.2	60.6	69.6	76.5	66.3	68.7
	24	70.2	59.8	69.6	76.7	66.4	69.2
	25	70.2	59.7	69.3	76.5	66.5	68.7
	26	70.4	60.3	69.4	76.6	66.7	69.0
	27	70.5	59.5	68.8	75.2	65.4	68.8
	28	70.8	60.5	69.7	76.0	65.1	69.3
P II	M 1	70.9	60.2	69.2	76.0	66.5	69.2
	2	71.1	59.5	68.5	74.6	65.6	68.8
	3	72.0	60.1	68.8	75.2	66.2	69.0
	4	71.1	59.9	69.0	74.4	66.0	68.3
	5	71.6	59.7	69.1	74.7	66.3	68.7
	6	70.7	59.8	68.7	74.7	66.6	68.8
	7	70.8	60.2	68.2	75.3	66.3	68.8
EXP I	8	----	----	----	----	----	----
	9	68.9	58.4	67.5	73.5	64.6	67.0
	10	68.2	57.7	66.5	72.5	63.3	66.5
	11	67.4	57.0	65.6	71.3	62.8	66.0
	12	66.3	56.2	65.2	70.5	62.1	65.7
	13	66.0	55.9	64.4	68.4	61.6	65.2
	14	65.6	56.2	64.2	68.4	61.6	64.8
EXP II	15	64.2	55.3	63.9	69.0	61.1	64.4
	16	64.1	55.1	64.0	69.8	60.8	64.0
	17	63.5	54.7	63.6	69.1	60.6	63.6
	18	63.4	54.3	63.9	68.0	60.3	63.3
	19	63.2	53.8	61.4	67.9	59.8	63.2
	20	63.0	53.8	62.7	67.7	59.8	63.0
	21	61.6	54.3	62.9	67.3	60.2	62.5
REC I	22	----	----	----	----	----	----
	23	62.5	56.0	65.0	69.3	61.4	63.2
	24	----	----	----	----	----	----
	25	64.9	58.4	70.8	73.1	65.3	66.0
	26	67.3	60.0	71.7	75.5	66.7	67.6
	27	68.5	59.6	72.4	76.5	66.6	67.6
	28	70.3	60.1	72.6	77.4	68.6	69.1
REC II	29	69.8	60.0	71.7	78.5	69.6	67.3
	30	69.7	60.5	71.1	77.5	67.7	67.3
	31	68.4	59.5	69.8	76.6	66.6	68.2
	A 1	69.4	59.9	70.5	76.6	65.7	----
	2	69.9	60.5	70.7	77.8	66.7	----
	3	70.2	60.5	70.2	76.5	66.1	----
	4	70.3	60.2	71.0	76.8	66.9	----
	5	70.6	61.0	71.1	76.8	67.3	----

TABLE AII. 296 (contd)

Period	Date	Subject Code No.					
		29	30	31	32	33	34
P I	F22	65.0	53.8	60.3	67.0	54.3	71.2
	23	65.1	54.4	61.1	67.0	53.8	70.2
	24	65.6	54.8	61.1	67.4	54.4	70.7
	25	65.8	54.3	60.8	67.5	53.8	69.8
	26	65.6	55.3	61.5	67.8	54.3	70.3
	27	65.3	54.8	60.7	67.0	53.9	69.7
	28	65.6	55.7	61.6	68.0	54.3	70.1
P II	M 1	65.3	55.3	61.8	67.8	54.6	70.3
	2	65.4	54.8	61.1	67.1	54.3	70.1
	3	64.9	55.0	61.3	67.4	54.3	69.8
	4	64.3	54.4	60.6	67.0	53.3	69.3
	5	64.3	55.4	61.4	67.4	53.3	69.3
	6	64.5	54.8	61.2	67.8	53.7	69.7
	7	64.4	54.4	61.2	67.0	54.2	69.0
EXP I	8	----	----	----	----	----	----
	9	63.4	53.7	60.2	66.3	52.0	68.5
	10	63.0	52.9	59.3	64.5	49.2	67.4
	11	62.1	52.8	58.3	64.3	50.6	66.9
	12	62.0	52.6	57.7	63.8	50.0	67.0
	13	62.0	52.6	57.0	62.6	49.8	67.0
	14	62.0	52.8	57.2	63.0	50.8	66.5
EXP II	15	61.7	52.6	56.6	62.8	49.8	66.1
	16	61.1	52.2	56.4	61.9	49.3	65.6
	17	61.1	51.6	56.1	61.6	49.1	65.7
	18	60.6	52.0	55.8	61.6	48.4	65.4
	19	60.3	51.6	55.7	----	48.2	65.2
	20	59.8	51.5	55.7	61.1	47.8	65.1
	21	59.7	50.8	57.0	63.0	49.5	65.7
REC I	22	----	----	----	----	----	----
	23	60.3	51.7	57.0	63.5	50.1	67.3
	24	----	----	----	----	----	----
	25	61.8	55.4	61.6	68.5	52.5	70.8
	26	62.2	56.5	62.1	70.4	54.7	72.4
	27	61.5	56.1	62.4	71.4	54.4	73.1
	28	62.2	56.2	62.8	70.1	55.0	72.3
REC II	29	62.5	56.3	62.5	68.8	54.1	72.1
	30	62.5	55.4	61.9	67.4	54.9	72.3
	31	62.2	54.9	61.2	67.1	55.0	71.8
	A 1	62.5	55.7	61.0	66.8	55.5	72.7
	2	62.8	55.3	61.0	68.3	56.1	73.4
	3	62.5	55.5	61.6	68.2	55.7	72.5
	4	62.8	56.0	61.5	68.4	55.4	73.2
	5	63.0	55.7	62.3	68.5	55.3	72.5

TABLE AII. 296 (contd)

Period	Date	Subject Code No.					
		35	36	37	38	39	40
P I	F22	58.9	----	70.2	73.3	62.1	73.0
	23	59.3	64.8	70.8	72.8	61.5	73.4
	24	59.3	64.9	70.7	73.5	61.3	73.9
	25	59.3	64.4	71.1	72.6	61.1	73.5
	26	59.2	64.1	71.1	72.4	61.9	75.1
	27	59.2	63.7	70.2	72.0	61.6	74.5
	28	59.3	64.4	71.6	73.0	62.0	74.5
P II	M 1	59.0	64.3	71.6	73.0	62.1	74.0
	2	58.4	63.8	71.5	72.1	61.7	73.5
	3	58.4	63.8	71.8	72.5	62.4	73.8
	4	59.0	63.7	70.7	71.6	62.1	73.3
	5	58.6	63.0	71.6	71.6	61.6	73.0
	6	58.7	63.8	71.5	71.6	61.5	73.3
	7	58.4	63.5	71.7	71.6	61.3	73.3
EXP I	8	----	----	----	----	----	----
	9	57.8	63.0	70.6	70.8	60.1	72.1
	10	57.0	62.0	70.3	69.8	59.4	71.6
	11	56.6	61.4	69.0	69.8	58.4	70.9
	12	56.6	61.0	69.3	69.7	57.9	70.7
	13	56.1	60.5	68.4	68.4	58.0	70.6
	14	56.0	60.7	68.4	67.8	57.5	70.3
EXP II	15	55.6	60.6	68.0	67.0	57.1	68.1
	16	55.0	59.7	67.9	67.5	56.9	69.4
	17	55.4	59.3	67.9	66.1	56.5	69.3
	18	54.8	58.8	67.7	65.6	56.0	68.8
	19	54.7	58.4	67.4	65.2	56.3	68.5
	20	54.3	58.4	67.4	64.5	55.7	68.6
	21	54.9	58.4	68.5	66.7	57.0	69.4
REC I	22	----	----	----	----	----	----
	23	56.2	59.5	67.3	67.3	58.0	70.5
	24	----	----	----	----	----	----
	25	57.3	64.3	69.5	69.4	61.8	73.1
	26	58.2	65.6	70.3	70.0	63.0	73.9
	27	58.7	65.7	70.6	70.6	64.3	73.9
	28	57.7	65.6	71.0	71.3	66.0	73.7
REC II	29	58.0	66.1	71.4	70.9	66.1	73.6
	30	58.5	66.6	70.8	71.3	65.0	73.5
	31	58.7	66.6	70.5	71.3	64.2	73.2
	A 1	58.8	66.5	70.8	71.1	62.8	72.8
	2	59.5	67.0	71.7	72.7	63.4	73.3
	3	60.0	66.6	71.0	72.5	63.0	73.7
	4	60.0	67.6	71.4	72.9	62.5	73.6
	5	59.5	67.5	71.3	73.3	63.1	73.2

TABLE AII. 296 (contd)

Period	Date	Subject Code No.						
		41	42	43	44	93	94	95
P I	F22	74.2	71.2	----	73.5	----	----	----
	23	72.9	70.5	64.9	73.5	----	----	----
	24	73.4	71.2	65.6	73.8	62.7	65.4	88.4
	25	73.4	70.3	65.8	72.1	----	----	----
	26	73.5	69.9	65.6	73.0	----	----	----
	27	72.9	69.8	64.8	72.5	----	----	----
	28	73.9	70.4	66.1	73.5	----	----	----
	M 1	74.0	70.2	66.3	73.0	62.7	65.4	88.2
P II	2	73.9	----	66.1	72.5	----	----	----
	3	74.3	----	66.2	72.5	----	----	----
	4	73.0	----	66.2	72.5	----	----	----
	5	73.5	----	66.3	72.2	62.9	65.6	88.4
	6	74.0	----	66.4	72.5	----	----	----
	7	73.8	----	65.8	72.2	----	----	----
	8	----	----	----	----	----	----	----
	9	71.7	66.2	64.8	72.0	----	----	----
EXP I	10	70.5	66.2	64.4	71.6	----	----	----
	11	70.6	66.3	64.0	71.3	63.4	66.6	----
	12	70.3	66.2	63.4	71.2	----	----	----
	13	69.8	65.9	63.4	70.8	----	----	----
	14	69.1	65.6	63.6	70.7	----	----	----
	15	69.7	64.9	63.5	69.7	----	----	----
	16	67.0	64.3	63.0	69.0	----	----	----
	17	67.3	64.6	62.9	68.9	62.7	65.7	91.1
EXP II	18	66.8	64.4	62.6	68.8	----	----	----
	19	66.2	64.4	61.5	69.1	----	----	----
	20	66.2	64.3	62.1	69.1	62.9	67.0	89.4
	21	69.4	65.2	64.3	70.3	----	----	----
	22	----	----	----	----	----	----	----
	23	70.2	65.7	64.7	69.8	----	----	----
	24	----	----	----	----	62.9	67.1	89.1
	25	72.4	68.3	65.8	73.0	----	----	----
REC I	26	75.0	69.1	66.0	73.5	----	----	----
	27	74.0	68.2	66.3	73.4	----	----	----
	28	75.3	68.4	65.9	74.3	----	----	----
	29	74.7	67.9	66.6	74.5	----	----	----
	30	74.6	69.1	66.3	73.7	----	----	----
	31	74.2	68.5	66.0	73.5	62.3	67.0	88.6
	A 1	74.9	70.1	66.0	73.1	----	----	----
	2	76.2	70.4	66.0	73.1	----	----	----
REC II	3	75.9	70.0	66.9	73.6	----	----	----
	4	75.1	71.1	66.6	73.9	62.2	66.8	87.9
	5	76.7	70.9	66.8	74.0	----	----	----

TABLE AII. 297

DAILY BODY WEIGHT: FLIGHT 3
(kg)

Period	Date	Subject Code No.						
		45	46	47	49	50	51	52
P I	F22	----	63.4	62.0	57.2	61.6	67.4	63.0
	23	78.0	63.5	62.0	57.4	61.6	67.5	62.9
	24	78.9	63.4	62.1	57.5	61.8	67.5	63.3
	25	78.5	63.4	62.5	57.4	61.8	67.9	62.8
	26	78.5	63.4	62.0	57.4	61.7	67.5	62.5
	27	78.7	63.7	62.6	58.0	62.1	68.0	63.3
	28	78.0	63.3	62.4	57.5	61.1	67.2	62.4
P II	M 1	78.6	63.8	62.5	58.3	62.5	68.0	62.9
	2	78.0	64.0	62.6	58.0	62.5	67.5	62.3
	3	78.1	64.0	63.0	57.6	62.5	67.5	62.5
	4	78.5	62.5	63.0	57.6	62.4	67.6	62.4
	5	78.1	62.5	61.6	57.1	62.0	66.9	61.8
	6	78.0	62.5	61.5	57.0	62.5	66.6	62.5
	7	78.0	62.3	62.5	57.4	62.0	67.2	62.4
EXP I	8	----	----	----	----	----	----	----
	9	76.9	61.2	61.5	57.1	61.3	66.2	61.1
	10	76.4	61.6	60.5	55.7	60.8	66.2	60.6
	11	75.8	60.4	60.2	55.2	60.3	66.0	60.3
	12	74.8	59.4	60.3	54.4	60.3	65.5	60.3
	13	73.8	58.0	59.4	53.9	59.4	64.7	59.7
	14	73.7	57.5	59.2	53.8	58.6	64.8	59.4
EXP II	15	73.9	57.5	59.3	53.6	58.7	63.9	58.8
	16	74.0	57.4	58.9	52.9	58.7	64.1	58.9
	17	72.2	56.6	59.4	52.8	58.9	63.8	58.5
	18	72.2	55.8	58.8	52.8	57.4	63.4	58.5
	19	71.8	56.1	58.5	52.4	57.1	63.3	58.0
	20	71.5	56.3	58.8	52.2	56.6	63.6	58.0
	21	71.1	55.6	58.9	52.5	56.3	63.4	58.0
REC I	22	----	----	----	----	----	----	----
	23	71.6	56.4	58.3	52.1	56.9	63.0	58.6
	24	72.4	57.8	59.7	53.8	58.5	64.3	59.5
	25	72.6	57.9	66.1	54.4	58.6	65.2	60.0
	26	73.1	59.2	60.7	55.8	59.7	66.9	60.3
	27	74.1	60.3	62.1	56.6	61.6	67.9	61.5
	28	74.1	60.1	61.9	56.7	61.0	66.4	59.2
REC II	29	74.8	60.3	62.7	57.8	62.1	68.0	60.8
	30	76.0	60.5	62.7	57.9	61.8	67.2	61.0
	31	77.0	61.0	62.8	57.6	61.2	66.9	61.3
	A 1	77.4	60.9	62.4	57.7	61.9	65.7	62.1
	2	78.7	61.9	62.7	57.9	62.9	65.9	62.0
	3	78.3	61.9	63.8	58.2	63.0	66.3	62.5
	4	78.0	62.0	63.5	57.9	62.7	65.9	62.5
	5	78.7	62.1	63.6	58.1	63.8	66.2	63.2

TABLE AII. 297 (contd)

Period	Date	Subject Code No.					
		53	54	55	56	57	58
P I	F22	70.6	64.6	58.8	60.8	72.0	56.6
	23	70.8	65.5	58.3	61.5	72.5	56.6
	24	70.7	64.6	57.7	62.0	72.0	56.7
	25	71.3	64.7	57.5	61.5	71.5	56.1
	26	71.3	65.1	57.3	61.8	70.6	55.8
	27	71.6	65.3	58.0	62.5	70.3	55.7
	28	70.8	65.7	58.4	61.6	70.3	56.1
P II	M 1	71.5	65.3	57.9	62.5	71.5	56.1
	2	71.1	65.3	57.8	63.0	71.0	56.1
	3	70.7	65.2	57.4	62.5	69.8	56.1
	4	70.8	65.4	57.0	61.7	71.1	56.2
	5	70.3	64.9	57.0	61.6	71.0	56.3
	6	70.6	65.4	57.5	61.5	70.3	56.0
	7	71.1	64.9	57.6	62.0	70.2	56.2
EXP I	8	----	----	----	----	----	----
	9	70.0	64.4	57.4	61.6	69.8	55.3
	10	69.2	63.7	57.0	60.8	69.4	54.9
	11	69.3	64.0	57.0	60.7	69.1	54.5
	12	68.9	63.0	57.5	60.2	68.5	53.8
	13	68.0	62.1	57.5	59.5	68.5	53.5
	14	67.0	62.5	57.1	59.4	67.5	53.0
EXP II	15	66.1	61.6	57.0	59.3	67.5	52.8
	16	66.1	61.6	56.5	59.0	67.3	52.6
	17	65.7	60.9	56.4	58.9	66.8	52.5
	18	65.4	60.7	56.1	58.8	66.2	53.0
	19	65.3	60.0	56.1	58.4	65.9	53.0
	20	65.2	59.7	56.1	58.4	65.4	52.5
	21	64.7	59.5	56.5	58.9	65.1	52.5
REC I	22	----	----	----	----	----	----
	23	64.4	60.1	56.0	58.1	55.8	53.0
	24	66.0	60.3	57.4	59.7	67.2	53.8
	25	67.2	61.0	57.9	61.4	67.2	53.6
	26	68.0	62.9	59.7	63.5	68.6	54.6
	27	69.4	64.4	60.7	63.7	69.2	54.9
	28	69.3	64.2	59.5	66.6	69.5	55.5
REC II	29	70.7	63.2	60.6	62.0	70.8	55.8
	30	69.6	64.0	60.0	63.4	70.6	55.7
	31	70.2	64.1	60.2	63.7	70.8	55.8
	A 1	70.6	64.5	60.8	64.3	71.5	56.3
	2	70.2	64.8	60.9	64.0	71.6	56.6
	3	69.9	65.9	61.4	63.6	71.9	57.0
	4	69.8	65.5	60.4	63.4	71.3	56.8
	5	70.6	65.3	60.8	63.6	71.5	56.6

TABLE AII. 297 (contd)

Period	Date	Subject Code No.					
		59	60	61	48	62	63
P I	F22	74.4	69.0	67.0	63.0	49.6	73.5
	23	74.5	69.3	66.5	63.0	49.7	72.5
	24	73.0	69.8	66.0	63.0	50.5	72.0
	25	73.0	69.8	66.5	63.9	50.7	72.5
	26	71.8	70.1	66.1	63.7	50.5	73.0
	27	71.5	70.3	65.8	62.8	51.1	73.3
	28	70.8	69.7	65.7	62.7	50.8	73.4
P II	M 1	73.8	69.7	----	63.6	51.8	73.1
	2	73.9	69.8	----	63.0	52.1	73.3
	3	73.6	70.6	----	63.0	52.1	73.0
	4	74.3	70.8	----	63.4	51.6	73.0
	5	73.0	70.0	----	62.0	52.0	72.5
	6	73.0	69.7	----	62.6	52.0	72.5
	7	72.9	70.1	65.6	62.9	52.5	73.0
EXP I	8	----	----	----	----	----	----
	9	72.5	69.6	66.2	61.6	52.8	71.5
	10	72.5	69.3	65.7	61.0	52.1	71.4
	11	72.1	69.6	65.6	60.8	51.7	71.4
	12	71.7	68.0	66.3	60.7	51.7	71.4
	13	70.8	67.8	64.8	59.7	50.3	70.7
	14	70.3	66.5	64.5	60.2	49.9	70.8
EXP II	15	69.7	66.5	63.9	59.8	50.4	70.6
	16	70.1	67.0	63.9	59.7	50.3	71.0
	17	69.3	67.5	64.3	59.3	50.4	71.2
	18	69.6	67.5	63.8	58.9	49.7	70.6
	19	69.0	66.0	63.5	58.5	50.2	70.5
	20	69.4	66.4	63.8	58.5	49.8	70.2
	21	69.8	66.6	63.0	58.4	49.7	69.8
REC I	22	----	----	----	----	----	----
	23	68.8	66.0	62.0	58.3	49.0	69.8
	24	70.1	66.8	62.3	59.4	50.6	70.4
	25	71.3	67.2	62.5	59.4	50.6	70.3
	26	74.1	69.1	64.7	60.9	51.5	71.6
	27	70.0	70.1	65.5	63.0	53.4	71.2
	28	74.6	69.2	65.2	63.0	53.8	70.6
REC II	29	75.9	70.9	66.8	63.4	54.2	71.4
	30	74.5	70.1	65.9	62.7	53.6	70.5
	31	74.1	69.8	66.0	63.1	52.1	71.2
	A 1	75.0	69.8	65.5	62.9	52.1	71.0
	2	75.9	69.8	66.5	63.8	53.3	71.3
	3	77.1	69.8	67.5	64.1	53.4	71.6
	4	75.0	69.5	66.4	63.6	53.2	71.0
	5	76.5	69.7	66.4	62.6	53.0	70.0

TABLE AII. 297 (contd)

Period	Date	Subject Code No.					
		64	65	66	96	97	98
P I	F22	----	61.7	73.4	----	----	----
	23	78.0	61.6	73.5	----	----	----
	24	77.5	61.7	73.4	----	----	----
	25	77.6	61.7	73.1	69.1	65.9	69.1
	26	77.8	61.6	73.2	----	----	----
	27	77.9	62.1	72.7	----	----	----
	28	77.8	61.8	72.5	----	----	----
P II	M 1	78.0	62.5	73.4	----	----	----
	2	77.8	61.9	72.9	69.6	65.9	69.1
	3	77.6	61.8	72.6	----	----	----
	4	77.4	62.1	72.3	----	----	----
	5	77.6	61.8	71.8	69.4	66.2	69.3
	6	77.6	62.2	72.1	----	----	----
	7	78.5	62.5	72.6	----	----	----
EXP I	8	----	----	----	----	----	----
	9	79.3	62.0	73.1	----	----	----
	10	76.6	61.8	73.1	----	----	----
	11	76.4	62.4	72.5	----	----	----
	12	76.7	62.1	72.3	72.1	----	71.2
	13	76.5	62.6	71.6	----	----	----
	14	76.2	62.5	71.6	----	----	----
EXP II	15	76.0	62.2	70.7	----	----	----
	16	75.2	62.2	71.2	----	----	----
	17	75.2	61.9	71.1	----	----	----
	18	75.0	62.0	71.1	----	67.3	----
	19	74.5	62.0	71.1	----	----	----
	20	74.2	62.0	70.7	69.7	67.7	70.6
	21	73.8	61.9	71.1	----	----	----
REC I	22	----	----	----	----	----	----
	23	72.9	60.7	70.3	----	----	----
	24	73.7	61.3	71.0	----	----	----
	25	73.9	67.1	71.8	69.1	67.7	70.9
	26	76.3	63.6	72.8	----	----	----
	27	76.6	63.5	73.6	----	----	----
	28	76.0	63.0	72.6	----	----	----
REC II	29	76.5	64.3	72.9	----	----	----
	30	76.0	63.3	73.6	----	----	----
	31	76.3	62.8	73.6	----	----	----
	A 1	76.2	63.2	73.4	69.3	69.4	70.9
	2	76.8	64.5	74.3	----	----	----
	3	76.5	64.0	74.0	----	----	----
	4	76.3	63.0	73.5	69.3	69.4	69.4
	5	76.3	63.5	74.2	----	----	----

TABLE AII. 298

DAILY BODY WEIGHT: FLIGHT 4
(kg)

Period	Date	Subject Code No.							
		68	69	70	71	72	73	74	75
P I	F22	63.8	72.0	60.7	64.4	61.2	59.2	77.5	68.0
	23	64.4	72.1	60.7	65.0	60.6	60.2	76.6	67.9
	24	64.2	71.9	61.0	64.7	60.3	60.3	76.6	67.1
	25	64.4	71.7	61.2	64.9	60.8	60.2	77.0	67.7
	26	64.8	71.2	61.6	64.7	60.5	60.6	77.0	67.9
	27	65.0	71.2	61.0	64.7	60.4	60.2	77.1	67.5
	28	64.8	71.5	60.7	64.4	59.7	60.6	76.6	67.5
	M 1	65.4	71.5	61.0	64.8	60.2	60.5	76.2	67.4
P II	2	64.5	70.6	61.6	64.7	60.2	60.7	75.7	67.5
	3	64.7	71.1	61.5	64.1	60.1	59.7	75.8	67.5
	4	64.3	71.0	61.3	63.9	60.7	59.8	77.0	67.0
	5	63.5	71.0	60.8	63.4	60.3	59.8	76.3	66.7
	6	64.1	70.6	61.2	64.3	60.6	60.2	76.5	67.5
	7	64.1	70.6	61.5	64.8	61.2	59.7	76.0	67.3
	8	----	----	----	----	----	----	----	----
EXP I	9	62.2	69.7	59.4	62.2	58.5	59.3	74.6	66.6
	10	62.0	68.5	59.0	62.6	58.3	58.8	73.9	65.7
	11	61.3	67.5	58.3	61.0	58.0	58.4	73.4	64.8
	12	60.6	67.0	57.5	61.1	57.0	58.3	72.5	64.7
	13	----	66.1	57.3	60.8	56.7	58.3	72.5	64.8
	14	60.1	66.0	57.0	60.4	56.5	58.0	72.5	63.8
	15	59.3	65.3	56.5	60.4	56.1	57.9	72.3	63.2
EXP II	16	59.6	64.8	55.8	60.3	56.1	57.8	72.0	62.6
	17	59.3	64.8	55.9	60.3	55.7	57.7	71.9	62.1
	18	60.7	64.4	55.7	59.8	55.7	57.5	71.6	61.7
	19	61.3	64.3	55.3	59.8	55.4	57.4	71.5	61.5
	20	61.3	63.4	54.8	59.5	55.5	57.4	71.3	61.6
	21	61.5	63.4	54.8	59.8	54.8	56.7	71.8	62.6
	22	----	----	----	----	----	----	----	----
REC I	23	60.5	64.9	54.8	60.2	55.3	38.1	71.7	62.5
	24	61.8	66.7	56.8	61.3	56.9	58.3	73.3	63.2
	25	62.8	67.6	57.1	63.7	57.5	58.6	74.5	63.4
	26	63.8	69.0	58.8	66.0	58.3	60.7	75.4	64.4
	27	64.6	69.8	59.6	66.7	58.9	60.1	75.0	65.4
	28	64.8	70.1	59.1	66.6	58.8	60.7	74.5	64.5
	29	65.5	71.2	59.6	66.7	58.9	61.2	75.5	65.4
REC II	30	64.4	70.2	59.3	66.7	58.8	60.1	75.9	65.5
	31	65.1	69.8	58.5	64.8	58.2	60.2	74.7	64.0
	A 1	65.3	70.8	59.3	64.6	59.1	60.5	74.8	66.6
	2	64.7	71.0	59.0	64.6	59.2	60.9	75.7	66.1
	3	65.2	71.0	59.4	65.6	59.0	61.1	75.3	66.0
	4	64.4	70.2	58.7	65.2	58.5	60.0	74.7	66.0
	5	64.5	71.3	59.5	64.7	59.6	60.4	75.7	66.3

TABLE AII. 298 (contd)

Period	Date	Subject Code No.							
		76	77	78	79	80	81	82	83
P I	F22	59.5	55.3	57.6	59.8	66.3	66.1	65.7	58.2
	23	59.2	54.1	57.4	59.8	66.0	66.1	65.7	58.0
	24	59.7	59.4	58.3	60.2	66.6	66.2	65.7	58.0
	25	59.9	54.9	57.9	60.3	66.5	66.1	66.2	58.6
	26	59.7	54.8	57.9	60.0	66.5	65.8	66.1	58.3
	27	60.2	54.9	57.9	59.9	66.2	65.2	66.0	58.0
	28	60.0	54.8	57.5	60.3	66.1	65.1	66.1	58.3
P II	M 1	60.2	54.4	58.0	60.2	66.1	65.3	66.1	58.8
	2	60.8	54.3	57.0	60.1	65.4	64.8	65.9	58.3
	3	59.4	54.2	56.8	59.9	65.4	65.5	65.7	58.4
	4	59.6	55.0	58.4	60.4	65.2	64.6	66.0	58.6
	5	60.3	54.4	57.6	59.8	64.8	65.1	65.2	57.5
	6	60.4	54.3	57.9	60.4	65.3	65.3	65.7	58.4
	7	59.8	55.0	58.7	60.7	65.6	65.5	66.0	59.0
EXP I	8	----	----	----	----	----	----	----	----
	9	58.4	54.4	57.3	59.3	64.0	64.0	65.8	58.0
	10	57.5	53.8	56.5	58.9	63.0	63.8	65.6	57.1
	11	56.7	52.0	56.0	57.9	62.4	63.0	64.4	56.8
	12	56.4	52.0	55.6	57.8	62.5	63.0	64.3	56.5
	13	56.5	51.1	55.7	57.0	62.0	63.0	64.0	56.5
	14	56.1	50.5	55.0	56.9	61.7	62.5	64.8	56.5
EXP II	15	55.7	50.3	54.7	56.5	61.5	62.1	63.0	56.5
	16	55.7	49.7	54.4	56.2	61.5	62.0	62.7	56.3
	17	55.6	49.2	54.9	56.1	61.4	61.6	62.6	56.1
	18	55.3	49.0	54.3	56.2	61.0	61.5	62.1	55.9
	19	55.2	48.8	54.0	55.9	61.1	59.8	61.6	55.5
	20	54.3	49.8	53.8	55.9	60.8	61.5	61.6	55.4
	21	55.6	51.6	54.3	55.9	60.7	62.8	62.1	55.3
REC I	22	----	----	----	----	----	----	----	----
	23	56.4	53.3	53.7	55.0	60.6	61.9	61.5	55.1
	24	58.9	54.2	57.1	56.5	61.9	63.3	62.6	56.0
	25	59.9	56.1	58.8	57.9	63.9	64.6	63.5	57.5
	26	59.7	57.1	59.8	58.8	64.6	66.5	64.8	57.8
	27	61.1	57.4	59.7	59.5	65.6	66.8	65.9	60.1
	28	61.2	56.2	59.2	58.4	65.8	66.3	65.4	57.5
REC II	29	61.9	57.0	58.6	59.5	65.9	66.4	66.3	58.2
	30	60.9	57.1	58.5	60.0	65.8	66.7	66.6	57.6
	31	60.5	57.0	57.3	59.6	65.3	65.5	65.8	57.0
	A 1	60.7	57.6	58.8	60.2	66.0	65.9	65.8	57.8
	2	60.5	57.7	58.0	60.7	65.7	66.0	65.8	58.0
	3	60.7	57.8	58.0	60.9	66.1	66.5	66.1	58.1
	4	60.6	57.0	57.4	60.0	65.4	65.2	65.9	57.8
	5	60.5	57.3	58.2	60.5	66.0	65.6	66.5	57.4

TABLE AII. 298 (contd)

Period	Date	Subject Code No.							
		84	85	86	87	88	99	100	101
P I	F22	57.8	68.8	53.9	61.9	63.0	----	----	----
	23	57.1	68.8	54.2	61.6	63.0	----	----	----
	24	57.1	69.3	54.4	61.7	64.6	----	----	----
	25	57.4	69.2	54.7	61.6	65.0	73.2	73.0	60.5
	26	57.0	69.3	54.4	61.2	64.3	----	----	----
	27	57.1	69.3	54.0	61.9	64.4	----	----	----
	28	57.2	69.2	53.9	61.6	64.2	----	----	----
P II	M 1	57.1	69.3	53.8	62.0	64.8	----	----	----
	2	57.4	68.8	53.8	62.0	64.4	73.2	72.7	60.5
	3	57.5	68.9	53.4	61.6	65.2	----	----	----
	4	57.4	68.4	53.8	61.6	64.8	----	----	----
	5	57.1	68.7	53.1	61.3	64.3	73.4	73.0	60.5
	6	57.5	68.7	53.1	61.5	64.4	----	----	----
	7	57.4	68.5	53.5	61.6	64.3	----	----	----
EXP I	8	----	----	----	----	----	----	----	----
	9	56.6	67.9	52.8	61.2	63.4	----	----	----
	10	57.1	67.8	52.5	61.5	63.0	----	----	----
	11	55.3	67.5	52.5	60.8	62.8	----	----	----
	12	54.9	67.3	52.9	61.1	62.7	----	72.0	61.2
	13	54.6	67.7	52.5	60.7	62.0	----	----	----
	14	54.3	66.2	52.1	60.2	61.6	----	----	----
EXP II	15	53.8	65.6	51.7	59.8	61.3	----	----	----
	16	54.0	65.7	51.3	59.8	60.9	----	----	----
	17	53.8	65.6	51.1	59.9	61.2	----	----	----
	18	53.8	65.2	51.1	60.3	61.5	73.6	72.1	61.8
	19	53.8	64.7	51.2	59.4	60.8	----	----	----
	20	54.4	64.5	51.1	59.3	60.7	73.0	73.0	60.8
	21	54.1	66.3	52.3	62.4	63.4	----	----	----
REC I	22	----	----	----	----	----	----	----	----
	23	54.0	66.0	52.0	61.5	63.7	----	----	----
	24	56.5	65.3	52.5	62.1	63.9	----	----	----
	25	58.8	66.9	52.9	62.4	64.0	73.2	72.7	60.5
	26	60.0	66.5	53.3	62.8	65.2	----	----	----
	27	61.0	65.7	54.6	63.0	65.6	----	----	----
	28	59.9	66.3	53.9	62.8	65.0	----	----	----
REC II	29	60.7	67.3	54.4	63.1	65.3	----	----	----
	30	59.7	67.3	53.8	62.8	65.6	----	----	----
	31	58.2	67.6	53.5	62.0	66.0	----	----	----
	A 1	58.5	68.1	53.8	62.5	65.3	74.6	73.2	60.6
	2	58.5	68.4	53.5	62.6	65.4	----	----	----
	3	58.5	68.4	54.2	62.6	65.4	----	----	----
	4	58.0	68.4	54.0	62.4	64.4	73.4	73.4	60.6
	5	58.0	68.5	53.9	60.0	64.5	----	----	----

APPENDIX III

DIETARY DATA

In this appendix the mean daily intakes of the several nutrients studied for each of the six weeks of the study have been tabulated for each of the 87 volunteer subjects. Dashes have the same meaning as in Appendix II. The blanks under chloride (Cl) in REC II signify that no data were available on the chloride content of foods of the Field A Ration.

MEAN DAILY NUTRIENT INTAKES FOR INDIVIDUAL SUBJECTS

Subject	Periods	Water, ml	Cal	CHO	CHO	Fat	Fat	%Cal	gm	PRO	PRO	Ca	P	Na	K	Cl
Code No.		(1)*	(2)	(3)	gm	%Cal	gm	%Cal	gm	gm	gm	gm	gm	gm	gm	gm
1	P I	2160	389	686	338	46	128	39	119	16	19.0	0.7	1.4	8.0	2.4	12.2
	P II	1989	364	636	332	48	110	36	115	17	18.4	6.6	1.2	7.5	2.2	11.2
	EXP I	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	EXP II	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	REC I	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	REC II	1132	711	1993	5551	39	281	46	212	15	33.9	2.3	3.2	7.8	6.1	---
2	P I	1769	401	642	3023	48	125	37	119	16	19.0	0.7	1.3	7.2	2.4	11.6
	P II	1616	389	623	2933	50	112	34	120	16	19.2	7.0	1.2	7.7	2.5	11.5
	EXP I	1159	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0
	EXP II	940	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0
	REC I	1994	649	763	4801	53	180	34	171	14	27.4	1.4	2.3	10.4	4.4	16.1
	REC II	392	885	2043	6812	44	315	42	244	14	39.0	2.5	3.6	8.6	6.6	---
3	P I	2063	463	770	3471	50	139	36	126	14	20.2	0.7	1.4	8.7	4.0	13.5
	P II	1885	412	768	3100	51	118	34	122	16	19.5	0.4	1.2	7.8	2.4	12.2
	EXP I	1857	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0
	EXP II	1616	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0
	REC I	2524	601	784	4420	54	168	34	146	13	23.4	0.9	1.8	10.4	3.4	14.9
	REC II	828	918	2315	7064	44	325	41	251	14	40.2	2.6	3.7	10.3	7.2	---
4	P I	2196	399	676	2971	52	115	35	103	14	16.5	0.7	1.2	7.2	2.4	11.4
	P II	2360	385	675	2850	55	101	32	101	14	16.2	0.6	1.2	6.6	2.6	10.5
	EXP I	1314	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0
	EXP II	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	REC I	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	REC II	1136	979	2283	7482	45	344	41	256	14	41.0	2.6	3.8	10.1	7.1	---

*(1) = Liquid intake
 (2) = Metabolic water
 (3) = Performed water

MEAN DAILY NUTRIENT INTAKES FOR INDIVIDUAL SUBJECTS

Subject	Periods	Water, ml	Cal	CHO	CHO	Fat	Fat	Fat	PRO	PRO	Ca	P	Na	K	Cl
Code No.		(1)*	(2)	(3)	gm	%Cal	gm	%Cal	gm	%Cal	gm	gm	gm	gm	gm
5	P I	2256	468	646	3449	478	55	126	33	111	13	17.8	0.8	1.3	7.8
	P II	2085	447	630	3283	469	57	114	31	107	13	17.1	0.7	1.2	7.0
	EXP I	2174	151	16	1000	252	100	0	0	0	0	0.0	0.0	0.0	0.1
	EXP II	2450	151	26	963	241	100	0	0	0	0	0.0	0.0	0.0	0.1
	REC I	2746	745	850	5480	759	55	203	33	179	13	28.6	1.6	2.4	11.8
	REC II	1193	896	1992	6957	723	42	334	43	255	15	40.8	2.6	3.8	9.2
6	P I	2292	461	692	3487	442	51	134	35	130	15	20.8	0.8	1.4	8.9
	P II	1613	266	390	1957	232	47	78	36	81	17	13.0	0.5	0.7	5.2
	EXP I	1840	151	16	1000	252	100	0	0	0	0	0.0	0.0	0.0	0.1
	EXP II	954	151	16	1002	252	100	0	0	0	0	0.0	0.0	0.0	0.1
	REC I	2495	602	791	4454	609	55	160	32	162	14	25.9	1.5	2.3	11.3
	REC II	601	792	1958	6102	655	43	285	42	230	15	36.8	2.5	3.4	8.4
7	P I	1664	449	674	3352	438	52	129	35	118	14	18.9	0.8	1.4	8.1
	P II	1564	420	579	3107	442	57	104	30	107	14	17.1	0.7	1.2	7.3
	EXP I	831	302	40	2001	502	100	0	0	0	0	0.0	0.0	0.0	0.2
	EXP II	1158	302	47	1964	461	100	0	0	0	0	0.0	0.0	0.0	0.2
	REC I	2340	774	853	5659	803	57	203	32	183	13	29.3	1.6	2.6	12.4
	REC II	686	891	2096	6835	780	46	298	39	254	15	40.6	2.8	3.8	8.8
8	P I	1918	460	659	3412	465	54	124	33	117	14	18.7	0.8	1.3	7.7
	P II	1284	302	39	2004	504	100	0	0	0	0	0.0	0.0	0.0	0.2
	EXP I	2283	625	761	4606	612	53	179	35	162	14	25.9	1.2	2.2	10.3
	EXP II	435	848	2038	6494	727	45	296	41	231	14	37.0	2.6	3.5	8.0
	REC I														
	REC II														

MEAN DAILY NUTRIENT INTAKES FOR INDIVIDUAL SUBJECTS

Subject Code No.	Periods	Water, ml		Cal	CHO gm	CHO %Cal	Fat gm	Fat %Cal	PRO gm	PRO %Cal	PRO N	Ca gm	P gm	Na gm	K gm	Cl gm
		(1)*	(2)	(3)												
9	P I	1605	211	305	222	57	58	34	39	10	6.2	0.4	0.6	3.1	1.0	4.5
	P II	1768	356	396	389	60	82	29	83	13	13.4	1.2	1.4	5.0	3.0	7.7
	EXP I	1909	108	10	0	0	73	68	72	30	11.5	0.0	0.6	1.2	1.0	0.0
	EXP II	1966	111	10	0	0	75	68	75	31	12.0	0.0	0.6	1.2	1.1	0.0
	REC I	2301	597	635	595	54	169	35	144	13	23.0	1.4	2.3	9.6	4.4	14.0
	REC II	806	894	2130	765	45	313	41	243	14	38.9	2.8	3.7	8.8	6.3	
10	P I	1505	420	575	421	54	116	33	106	14	17.0	0.6	1.2	7.3	2.1	10.6
	P II	1616	372	541	377	55	96	31	104	15	16.6	0.7	1.1	6.5	2.2	9.8
	EXP I	2085	111	10	0	0	75	68	75	30	12.0	0.0	0.6	1.2	1.1	0.0
	EXP II	2492	111	10	0	0	75	68	75	30	12.0	0.0	0.6	1.2	1.7	0.0
	REC I	2151	707	704	714	55	196	34	169	13	27.0	1.5	2.4	11.3	4.7	16.4
	REC II	443	915	1990	752	42	336	43	253	14	40.5	2.8	3.9	9.4	6.2	
11	P I	1861	464	638	460	53	129	33	123	14	19.7	0.8	1.3	8.4	2.4	12.7
	P II	1696	383	576	400	56	94	30	102	14	16.3	0.8	1.1	6.0	2.2	7.8
	EXP I	2217	211	20	0	0	143	68	141	30	22.6	0.1	1.0	2.3	2.0	0.0
	EXP II	2322	222	20	0	0	151	68	149	30	23.8	0.1	1.2	2.4	2.1	0.0
	REC I	2152	696	923	728	57	179	32	163	13	26.1	1.4	2.3	11.3	4.4	16.5
	REC II	576	755	1880	605	50	284	44	215	15	34.4	2.3	3.4	6.6	5.9	
12	P I	1310	318	463	307	51	92	35	89	15	14.2	0.4	1.0	5.8	1.6	9.1
	P II	1209	253	499	243	48	75	34	91	18	14.6	0.5	0.9	5.3	1.8	8.0
	EXP I	1527	223	152	0	0	151	68	149	30	23.8	0.1	1.2	2.4	2.1	0.0
	EXP II	1784	223	152	0	0	151	68	149	30	23.8	0.1	1.2	2.4	2.1	0.0
	REC I	1497	344	536	324	51	102	36	99	15	15.8	0.8	1.4	6.0	2.7	9.0
	REC II	260	630	1667	492	40	246	45	175	14	28.0	2.0	2.8	5.5	4.8	

MEAN DAILY NUTRIENT INTAKES FOR INDIVIDUAL SUBJECTS

Subject Code No.	Periods	Water, ml		Cal	CHO gm	CHO %Cal	Fat gm	Fat %Cal	PRO gm	PRO %Cal	PROT gm	Ca gm	P gm	Na gm	K gm	Cl gm
		(1)*	(2)													
13	P I	2166	630	795	654	56	164	32	154	13	24.6	1.2	2.1	10.9	4.0	17.0
	P II	2057	522	763	525	54	136	32	148	15	23.7	1.1	1.9	9.4	4.0	14.4
	EXP I	2090	126	23	46	18	89	80	8	3	1.3	0.0	0.2	1.8	0.1	2.8
	EXP II	1772	126	23	46	18	89	80	8	3	1.3	0.0	0.2	1.8	0.1	2.8
	REC I	3022	674	808	640	51	201	36	184	14	29.4	1.6	2.6	12.2	5.0	17.9
	REC II	798	874	2229	680	40	325	44	266	16	42.4	2.3	3.6	10.8	7.7	
14	P I	2379	539	674	568	57	136	31	127	13	20.3	1.0	1.8	9.1	3.5	13.7
	P II	2092	357	573	357	54	95	32	100	15	16.0	0.7	1.2	6.5	2.6	9.8
	EXP I	1729	126	23	46	18	89	80	8	3	1.3	0.0	0.2	1.8	0.1	2.8
	EXP II	1618	126	23	46	18	89	80	8	3	1.3	0.0	0.2	1.8	0.1	2.8
	REC I	2559	558	821	523	50	169	36	154	15	24.6	1.2	2.1	10.6	4.0	15.3
	REC II	705	849	2067	719	44	300	41	237	14	37.9	2.6	3.6	8.5	6.3	
15	P I	2881	565	763	574	55	151	32	145	14	23.2	1.1	1.8	9.8	3.6	15.3
	P II	2799	485	738	484	54	131	32	134	15	21.4	0.9	1.6	8.4	3.2	13.4
	EXP I	2560	254	47	94	19	179	80	14	3	2.2	0.1	0.4	3.5	0.2	5.5
	EXP II	2732	254	47	94	19	179	80	14	3	2.2	0.1	0.4	3.5	0.2	5.5
	REC I	3039	659	807	634	52	194	35	173	14	27.7	1.7	2.5	11.0	4.9	16.0
	REC II	1235	719	2011	599	43	260	42	200	14	32.0	2.4	3.1	7.9	6.0	
16	P I	2267	541	620	561	57	139	31	133	13	21.3	1.2	1.9	9.2	3.6	13.9
	P II	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
	EXP I	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
	EXP II	1421	254	47	94	19	179	80	14	3	2.2	0.1	0.1	3.5	0.2	5.5
	REC I	2031	578	793	570	53	164	34	149	14	23.8	1.3	2.2	9.8	4.0	14.6
	REC II	630	699	1820	526	39	288	48	183	13	29.3	2.3	2.9	6.9	5.1	

MEAN DAILY NUTRIENT INTAKES FOR INDIVIDUAL SUBJECTS

Subject	Periods	Water, ml	Cal	CHO	CHO	Fat	Fat	PRO	PRO	Ca	P	Na	K	Cl
Code No.	(1)*	(2)	(3)	gm	%Cal	gm	%Cal	gm	%Cal	gm	gm	gm	gm	gm
17	P I	2287	499	726	3705	505	54	135	33	126	14	20.2	0.6	1.4
	P II	2289	441	646	3261	456	56	111	31	117	14	18.7	0.6	1.2
	EXP I	1977	155	65	1124	166	59	38	30	35	12	5.6	0.1	0.4
	EXP II	2672	155	65	1124	166	59	38	30	35	12	5.6	0.1	0.4
	REC I	2769	727	849	5374	706	52	208	35	194	14	31.0	1.7	2.7
	REC II	1001	878	2247	6842	688	40	340	45	247	14	39.5	2.7	3.7
18	P I	1640	463	649	3426	472	55	125	33	113	13	18.1	0.8	1.3
	P II	1731	378	441	2727	418	61	89	29	77	11	12.3	0.7	0.9
	EXP I	1232	155	65	1124	166	59	38	30	35	12	5.6	0.1	0.4
	EXP II	1276	155	65	1124	166	59	38	30	35	12	5.6	0.1	0.4
	REC I	1947	632	726	4684	596	51	194	37	161	13	25.8	1.1	2.1
	REC II	810	830	2116	6462	641	40	326	45	234	14	37.4	2.6	3.5
19	P I	1945	481	713	3592	470	52	139	35	123	14	19.7	0.8	1.4
	P II	1735	433	590	3190	446	56	112	31	109	14	17.4	0.7	1.2
	EXP I	1472	269	181	2001	265	53	76	34	71	14	11.4	0.2	0.7
	EXP II	1850	269	181	2001	265	53	76	34	71	14	11.4	0.2	0.7
	REC I	2184	625	757	4525	611	54	176	35	147	12	23.5	1.1	2.0
	REC II	711	724	1672	5543	617	44	254	41	200	14	32.0	2.3	3.0
20	P I	1834	413	526	3017	461	61	99	30	72	10	11.5	0.5	1.0
	P II	1367	269	181	2001	265	53	76	34	71	14	11.4	0.2	0.7
	EXP I	1588	269	181	2001	265	53	76	34	71	14	11.4	0.2	0.7
	EXP II	2542	616	730	4478	626	56	170	34	141	12	22.6	1.5	2.2
	REC I	701	826	2102	6375	683	43	298	42	237	15	37.9	2.4	3.5
	REC II													

MEAN DAILY NUTRIENT INTAKES FOR INDIVIDUAL SUBJECTS

Subject Code No.	Periods	Water, ml		Cal	CHO gm	CHO %Cal	Fat gm	Fat %Cal	PRO gm	PRO %Cal	N		Ca gm	P gm	Na gm	K gm	Cl gm
		(1)*	(2)								gm	gm					
21	P I	1851	516	774	511	53	145	34	132	14	21.1	1.0	1.5	9.4	2.9	14.7	
	P II	1912	457	621	474	56	119	32	112	13	17.9	0.8	1.3	7.4	2.3	11.6	
	EXP I	1485	403	255	397	53	114	34	104	14	16.6	0.2	1.1	4.8	2.3	3.9	
	EXP II	1768	403	255	397	53	114	34	104	14	16.6	0.2	1.1	4.8	2.3	3.9	
	REC I	1738	506	709	497	53	145	34	129	14	20.6	0.8	1.5	8.6	2.4	13.5	
	REC II	461	623	1730	505	42	231	43	179	15	28.6	2.1	2.8	6.3	5.1		
22	P I	2529	488	637	474	52	140	34	131	14	21.0	1.0	1.5	8.9	2.8	13.8	
	P II	2720	370	543	353	50	104	33	115	16	18.4	0.8	1.2	6.7	2.2	10.6	
	EXP I	2134	403	255	397	53	114	34	104	14	16.6	0.2	1.1	4.8	2.3	3.9	
	EXP II	2452	403	255	397	53	114	34	104	14	16.6	0.2	1.1	4.8	2.3	3.9	
	REC I	2832	365	598	264	37	146	46	125	18	20.0	0.9	1.4	8.4	2.3	12.2	
	REC II	1690	700	1542	586	44	252	42	190	14	30.4	1.9	2.8	8.1	5.0		

MEAN DAILY NUTRIENT INTAKES FOR INDIVIDUAL SUBJECTS

Subject Code No.	Periods	Water, ml		Cal	CHO		Fat	Fat		PRO	PRO		Ca	P	Na	K	Cl
		(1)*	(2)	(3)	gm	%Cal	gm	%Cal	gm	gm	%Cal	gm	gm	gm	gm	gm	gm
23	P I	3249	581	767	4252	601	56	147	31	154	14	24.6	1.8	2.3	9.3	4.8	14.4
	P II	3172	551	731	3981	588	59	127	28	149	14	23.8	1.8	2.2	8.4	4.7	12.8
	EXP I	895	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0
	EXP II	910	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0
	REC I	2953	661	612	4790	703	58	168	31	145	12	23.2	1.5	2.3	9.3	4.2	14.0
	REC II	1416	947	2250	7230	866	48	310	39	232	13	37.1	2.6	3.5	8.8	6.3	
24	P I	2094	516	708	3823	519	54	139	33	137	14	21.9	1.0	1.8	9.1	3.8	14.3
	P II	2061	446	653	3287	457	55	113	31	124	15	19.8	1.0	1.6	7.7	3.4	12.4
	EXP I	910	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0
	EXP II	910	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0
	REC I	2826	624	758	4575	626	54	174	34	152	13	40.3	1.2	2.2	10.4	4.2	15.5
	REC II	1380	800	2208	6172	670	43	286	42	224	15	35.8	2.5	3.4	8.2	6.3	
25	P I	1391	348	479	2488	393	63	81	29	61	9	9.8	0.3	0.8	5.1	1.5	7.1
	P II	1605	364	444	2613	418	64	82	28	62	9	9.9	0.4	0.8	4.7	1.2	7.2
	EXP I	876	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0
	EXP II	910	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0
	REC I	1807	564	742	4107	574	56	158	34	120	11	19.2	0.7	1.6	8.7	2.9	12.8
	REC II	920	821	1866	6277	714	45	285	41	215	14	34.4	2.3	3.2	8.0	5.2	
26	P I	1840	472	687	3511	461	52	134	34	126	14	20.2	0.8	1.6	8.8	3.3	13.5
	P II	1998	464	650	3463	437	50	136	35	137	16	21.9	1.2	1.9	8.4	3.6	13.3
	EXP I	910	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0
	EXP II	910	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0
	REC I	2678	634	751	4659	635	54	178	34	153	13	24.5	1.2	2.1	10.7	3.8	15.4
	REC II	1080	979	1862	7595	806	43	364	43	259	14	41.4	2.4	3.6	9.8	5.9	

MEAN DAILY NUTRIENT INTAKES FOR INDIVIDUAL SUBJECTS

Subject Code No.	Periods	Water, ml		Cal	CHO gm	CHO %Cal	Fat gm	Fat %Cal	PRO gm	PRO %Cal	PROT N		Ca gm	P gm	Na gm	K gm	Cl gm
		(1)*	(2)	(3)							gm	gm					
27	P I	2397	476	545	3458	507	58	117	30	114	13	18.2	1.5	1.9	7.7	4.0	11.9
	P II	2556	509	607	3717	535	57	124	30	134	14	21.4	1.7	2.1	8.3	4.3	13.3
	EXP I	910	185	7	1205	308	100	0	0	0	0	0.0	0.0	0.0	0.1	0.0	0.0
	EXP II	910	198	3	1288	330	100	0	0	0	0	0.0	0.0	0.0	0.1	0.0	0.0
	REC I	3026	598	702	4395	601	54	164	33	152	14	24.3	1.4	2.3	10.2	4.4	15.5
	REC II	1263	822	2018	6290	693	44	304	43	198	13	31.7	2.3	3.1	8.0	5.6	
28	P I	2149	517	750	3855	505	52	147	34	138	14	22.1	1.0	1.7	9.3	3.2	14.6
	P II	2531	459	714	3430	454	53	126	33	126	15	20.2	0.9	1.4	8.4	2.8	12.3
	EXP I	910	151	17	996	252	100	0	0	0	0	0.0	0.0	0.0	0.1	0.0	0.0
	EXP II	910	151	17	996	252	100	0	0	0	0	0.0	0.0	0.0	0.1	0.0	0.0
	REC I	2718	589	686	4352	575	53	167	34	159	14	25.4	1.5	2.3	10.3	4.4	15.3
	REC II	1015	691	2045	5348	572	43	256	43	184	14	29.4	2.1	2.8	8.0	5.4	
29	P I	1532	496	732	3665	485	52	137	34	141	15	22.6	1.2	1.9	8.9	4.0	13.9
	P II	1407	386	670	2902	363	50	109	34	124	17	19.8	0.9	1.4	7.8	3.1	11.8
	EXP I	910	302	39	2004	504	100	0	0	0	0	0.0	0.0	0.0	0.2	0.0	0.0
	EXP II	910	302	39	2004	504	100	0	0	0	0	0.0	0.0	0.0	0.2	0.0	0.0
	REC I	1709	489	711	3593	483	53	136	34	130	14	20.8	1.0	1.8	8.3	3.6	13.0
	REC II	426	648	2123	5044	510	41	251	45	177	14	28.3	2.1	2.8	7.9	5.6	
30	P I	1867	429	425	3114	476	61	99	28	98	12	15.7	1.0	1.5	6.8	3.0	10.1
	P II	1522	368	387	2617	436	66	71	24	73	11	11.7	0.9	1.2	5.0	2.4	7.8
	EXP I	910	302	39	2004	504	100	0	0	0	0	0.0	0.0	0.0	0.2	0.0	0.0
	EXP II	910	302	39	2004	504	100	0	0	0	0	0.0	0.0	0.0	0.2	0.0	0.0
	REC I	1895	528	627	3843	560	58	134	31	119	12	19.0	1.0	1.7	8.5	3.2	12.9
	REC II	1145	742	1669	5621	668	48	250	40	177	12	28.3	1.8	2.6	7.1	5.0	

MEAN DAILY NUTRIENT INTAKES FOR INDIVIDUAL SUBJECTS

Subject	Water, ml																	Cl					
Code No.	Periods	(1)*			(2)			(3)			Cal	CHO	CHO	Fat	Fat	PRO	PRO	Ca	P	Na	K	Cl	
		(1)*	(2)	(3)	(1)*	(2)	(3)	gm	%Cal	gm	%Cal	gm	%Cal	gm	%Cal	gm	%Cal	gm	gm	gm	gm	gm	gm
31	P I	1772	483	549	499	56	124	31	124	14	19.8	1.2	1.7	7.4	3.4	11.9							
	P II	1575	440	491	477	59	101	28	113	14	18.1	1.2	1.6	6.6	3.0	9.6							
	EXP I	910	111	76	0	0	75	68	75	30	12.0	0.0	0.6	1.2	1.1	0.0							
	EXP II	910	111	76	0	0	75	68	75	30	12.0	0.0	0.6	1.2	1.1	0.0							
	REC I	2162	580	641	588	55	156	33	146	13	23.4	1.4	2.2	9.5	4.3	14.3							
	REC II	600	735	2335	623	44	263	42	195	14	31.2	2.1	3.0	6.7	5.2								
32	P I	2048	546	645	593	60	130	29	124	12	19.8	1.1	1.7	8.5	3.6	13.4							
	P II	2147	482	576	541	62	104	27	111	12	17.8	1.2	1.6	7.2	3.5	11.3							
	EXP I	910	111	76	0	0	75	68	75	30	12.0	0.0	0.6	1.2	1.1	0.0							
	EXP II	910	111	76	0	0	75	68	75	30	12.0	0.0	0.6	1.2	1.1	0.0							
	REC I	2431	582	698	597	56	156	32	140	13	22.4	1.3	2.1	9.8	4.1	14.5							
	REC II	1228	898	2195	789	46	306	40	238	14	38.7	2.6	3.6	8.8	6.0								
33	P I	2127	441	741	423	51	129	35	119	14	19.0	0.4	1.3	8.6	2.4	13.2							
	P II	2160	395	753	364	48	117	35	127	17	20.3	0.3	1.2	8.1	2.4	12.5							
	EXP I	910	122	78	0	0	83	69	81	30	13.0	0.0	0.6	1.3	1.2	0.0							
	EXP II	910	223	152	0	0	151	68	149	30	23.8	0.1	1.2	2.4	2.1	0.1							
	REC I	3150	580	759	556	52	170	35	157	14	25.1	1.4	2.2	10.0	3.9	15.4							
	REC II	1441	842	2124	689	42	310	43	236	15	37.8	2.4	3.6	8.2	6.9								
34	P I	1778	372	711	331	47	117	37	116	16	18.6	0.5	1.2	7.8	2.4	11.8							
	P II	1652	390	725	361	49	113	34	126	17	20.2	0.6	1.3	7.8	2.6	12.3							
	EXP I	910	223	20	0	0	151	68	149	30	23.8	0.1	1.2	2.4	2.1	0.1							
	EXP II	910	216	33	0	0	147	68	145	30	23.2	0.1	1.2	2.4	2.1	0.1							
	REC I	2871	664	847	638	52	195	35	175	14	28.0	1.4	2.3	11.3	4.3	17.2							
	REC II	533	1046	2322	8099	41	415	46	266	13	42.6	2.6	4.1	9.8	7.6								

MEAN DAILY NUTRIENT INTAKES FOR INDIVIDUAL SUBJECTS

Subject Code No.	Periods	Water, ml		Cal	CHO gm	CHO %Cal	Fat gm	Fat %Cal	PRO gm	PRO %Cal	N		Ca gm	P gm	Na gm	K gm	Cl gm
		(1)*	(2)	(3)							gm	gm					
35	P I	1533	430	603	441	55	114	32	104	13	16.6	0.5	1.2	7.0	2.2	11.9	
	P II	1290	355	513	348	53	103	35	89	13	14.2	0.4	1.0	5.9	1.6	9.6	
	EXP I	910	126	23	46	18	89	80	8	30	1.3	0.0	0.2	1.8	0.1	2.8	
	EXP II	910	126	23	46	18	89	80	8	30	1.3	0.0	0.2	1.8	0.1	2.8	
	REC I	1536	491	649	478	52	144	35	123	13	19.7	0.7	1.6	8.2	2.7	12.8	
	REC II	561	840	1900	704	43	307	43	219	14	35.0	2.4	3.3	8.2	5.8		
36	P I	1638	355	403	383	59	89	31	73	11	11.7	0.8	1.0	5.2	1.7	7.8	
	P II	1373	359	456	386	59	88	30	81	12	13.0	0.7	1.0	5.3	1.7	8.1	
	EXP I	856	126	23	46	18	89	80	8	3	1.3	0.0	0.2	1.8	0.1	2.8	
	EXP II	910	126	23	46	18	89	80	8	3	1.3	0.0	0.2	1.8	0.1	2.8	
	REC I	2558	484	649	474	52	136	34	133	15	21.3	1.2	1.8	8.4	3.4	12.8	
	REC II	568	1003	2263	826	43	372	43	266	14	42.6	2.6	4.0	10.4	7.2		
37	P I	2176	502	785	479	51	149	36	136	14	21.8	0.8	1.5	9.2	2.9	14.4	
	P II	2115	506	786	495	52	140	33	143	15	22.9	0.9	1.6	8.6	2.9	14.1	
	EXP I	910	254	47	94	19	179	80	14	3	2.2	0.1	0.4	3.5	0.2	5.5	
	EXP II	910	254	47	94	19	179	80	14	3	2.2	0.1	0.4	3.5	0.2	5.5	
	REC I	2486	587	771	553	50	177	36	162	15	25.9	1.2	2.1	10.8	3.8	15.9	
	REC II	1090	751	2064	591	40	281	43	232	16	37.1	2.2	3.5	7.8	6.2		
38	P I	1925	461	747	479	55	127	33	114	13	18.2	0.4	1.3	8.0	2.3	12.4	
	P II	1862	415	650	404	52	121	35	108	14	17.3	0.4	1.2	7.2	2.0	11.2	
	EXP I	910	254	47	94	19	179	80	14	3	2.2	0.1	0.4	3.5	0.2	5.5	
	EXP II	910	254	47	94	19	179	80	14	3	2.2	0.1	0.4	3.5	0.2	5.5	
	REC I	3310	531	749	525	53	150	34	137	14	21.8	1.1	1.9	8.3	3.5	12.7	
	REC II	1780	879	2136	735	44	324	43	222	13	35.5	2.5	3.5	7.8	6.2		

MEAN DAILY NUTRIENT INTAKES FOR INDIVIDUAL SUBJECTS

Subject Code No.	Periods	Water, ml		Cal	CHO gm	CHO %Cal	Fat gm	Fat %Cal	PRO gm	PRO %Cal	PROT gm	Ca gm	P gm	Na gm	K gm	Cl gm
		(1)*	(2)	(3)												
39	P I	2699	431	624	3218	423	52	120	33	119	15	19.0	0.8	1.3	7.6	2.4
	P II	2628	423	580	3132	430	55	111	32	111	14	17.8	0.8	1.3	7.1	2.3
	EXP I	910	155	41	1124	166	59	38	30	35	12	5.6	0.1	0.4	1.4	0.8
	EXP II	910	155	41	1124	166	59	38	30	35	12	5.6	0.1	0.4	1.4	0.8
	REC I	3693	601	664	4422	602	54	166	34	151	13	24.2	1.3	2.2	9.7	4.1
	REC II	1671	836	2196	6324	712	45	284	40	225	14	36.0	2.5	3.7	8.3	6.3
40	P I	2390	526	668	3779	544	57	137	32	130	14	20.8	1.1	1.5	8.8	2.8
	P II	2337	450	583	3329	469	56	112	30	119	14	19.0	1.2	1.5	7.3	2.8
	EXP I	853	155	65	1124	166	59	38	30	35	12	5.6	0.1	0.4	1.4	0.8
	EXP II	910	155	65	1124	166	59	38	30	35	12	5.6	0.1	0.4	1.4	0.8
	REC I	2711	540	687	3959	554	56	138	31	146	14	23.4	1.4	2.2	9.2	4.4
	REC II	1125	716	2100	5436	624	46	250	41	180	13	28.8	2.2	3.0	6.8	5.8
41	P I	2662	495	792	3685	487	53	141	34	127	14	20.3	0.6	1.4	9.0	2.7
	P II	2634	469	751	3532	444	50	137	35	136	15	21.8	0.6	1.4	9.0	2.8
	EXP I	946	269	133	2001	265	53	76	34	71	14	11.4	0.2	0.7	4.0	1.6
	EXP II	910	269	133	2001	265	53	76	34	71	14	11.4	0.2	0.7	4.0	1.6
	REC I	3704	611	826	4539	579	60	183	15	167	15	26.7	1.6	2.4	10.3	4.6
	REC II	1970	856	2114	6490	774	48	283	39	216	13	34.6	2.4	3.3	7.7	6.1
42	P I	1658	370	593	2722	382	56	97	32	90	13	14.4	0.3	1.0	6.6	2.0
	P II	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	EXP I	910	269	133	2001	265	53	76	34	71	14	11.4	0.2	0.7	4.0	1.6
	EXP II	910	269	133	2001	265	53	76	34	71	14	11.4	0.2	0.7	4.0	1.6
	REC I	1931	451	678	3349	424	50	139	37	118	14	18.9	1.0	1.5	7.6	2.8
	REC II	768	859	2929	6520	791	49	277	38	215	13	34.4	2.6	3.5	8.2	6.1

MEAN DAILY NUTRIENT INTAKES FOR INDIVIDUAL SUBJECTS

Subject Code No.	Periods	Water, ml		Cal	CHO	CHO	Fat	Fat	PRO	PRO	Ca	P	Na	K	Cl
		(1)*	(2)	(3)	gm	%Cal	gm	%Cal	gm	%Cal	gm	gm	gm	gm	gm
43	P I	1632	508	626	513	55	136	33	132	14	21.1	1.3	1.9	8.4	3.5
	P II	1751	500	651	506	55	130	31	139	15	22.2	1.5	1.9	8.3	3.9
	EXP I	910	403	183	397	53	114	34	104	14	16.6	0.2	1.1	4.8	2.3
	EXP II	910	403	183	397	53	114	34	104	14	16.6	0.2	1.1	4.8	2.3
	REC I	1900	477	628	476	54	134	34	118	13	18.9	0.9	1.6	8.4	2.9
	REC II	691	658	1917	565	44	232	42	174	14	27.8	2.2	2.8	6.3	4.9
44	P I	1942	407	499	370	48	128	37	117	15	18.7	0.7	1.3	8.3	2.3
	P II	1787	412	559	382	49	122	35	126	16	20.2	0.8	1.4	8.3	2.6
	EXP I	910	403	183	397	53	114	34	104	14	16.6	0.2	1.1	4.8	2.3
	EXP II	950	373	173	359	52	109	35	100	14	16.0	0.2	1.0	4.4	2.2
	REC I	2716	487	639	472	52	139	34	133	15	21.3	1.0	1.8	9.1	3.4
	REC II	955	697	1793	608	45	240	41	184	14	29.4	2.2	2.8	7.0	5.3

MEAN DAILY NUTRIENT INTAKES FOR INDIVIDUAL SUBJECTS

Subject Code No.	Periods	Water, ml		Cal	CHO gm	CHO %Cal	Fat gm	Fat %Cal	PRO gm	PRO %Cal	PRO N gm	Ca gm	P gm	Na gm	K gm	Cl gm
		(1)*	(2)	(3)												
45	P I	1716	457	774	3433	443	52	131	34	125	14	20.0	0.4	1.3	9.0	2.4
	P II	1955	435	716	3274	417	51	125	34	124	15	19.8	0.4	1.3	8.3	2.4
	EXP I	2057	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
	EXP II	2062	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
	REC I	1941	542	822	4053	498	49	169	37	151	15	24.2	0.9	1.9	9.9	3.3
	REC II	536	951	2446	7227	851	47	320	40	241	13	38.6	2.5	3.7	10.0	7.3
46	P I	1811	484	739	3610	486	54	133	33	121	13	19.4	0.4	1.3	9.3	2.4
	P II	1787	351	620	2647	336	51	99	34	104	16	16.6	0.3	1.0	7.0	2.1
	EXP I	1084	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
	EXP II	1320	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
	REC I	2189	543	712	4049	507	50	168	37	144	14	23.0	1.0	2.0	9.5	3.7
	REC II	816	860	2143	6543	763	47	292	40	223	14	35.7	2.5	3.5	8.2	6.7
47	P I	1465	422	516	3088	448	58	109	32	87	11	13.9	0.4	1.0	6.6	1.6
	P II	1538	410	637	3073	391	51	120	35	114	15	18.2	0.4	1.2	7.6	2.2
	EXP I	1421	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
	EXP II	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	REC I	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	REC II	433	789	1967	5979	733	49	249	37	202	14	32.3	2.3	3.1	7.6	5.7

MEAN DAILY NUTRIENT INTAKES FOR INDIVIDUAL SUBJECTS

Subject Code No.	Periods	Water, ml		Cal	CHO gm	CHO %Cal	Fat gm	Fat %Cal	PRO gm	PRO %Cal	N		Ca gm	P gm	Na gm	K gm	Cl gm
		(1)*	(2)	(3)							gm	gm					
49	P I	1583	472	812	54	125	32	128	15	20.5	0.4	1.2	8.5	2.4	13.6		
	P II	1472	405	780	52	110	32	123	16	19.7	0.4	1.2	7.7	2.4	11.9		
	EXP I	780	151	22	100	0	0	0	0	0.0	0.0	0.0	0.1	0.0	0.0		
	EXP II	836	151	27	100	0	0	0	0	0.0	0.0	0.0	0.1	0.0	0.0		
	REC I	1636	500	674	52	143	34	142	15	22.7	0.8	1.7	9.2	3.0	14.3		
	REC II	528	756	1977	47	248	39	199	14	31.8	2.3	3.0	8.3	5.8			
50	P I	1859	458	726	54	123	32	120	14	19.2	0.5	1.3	7.8	2.3	12.1		
	P II	1871	456	740	54	120	32	125	15	20.0	0.4	1.3	8.1	2.4	12.5		
	EXP I	1429	151	22	100	0	0	0	0	0.0	0.0	0.0	0.1	0.0	0.0		
	EXP II	1061	151	27	100	0	0	0	0	0.0	0.0	0.0	0.1	0.0	0.0		
	REC I	2447	583	861	50	174	36	161	15	25.8	0.8	1.8	10.8	2.9	16.6		
	REC II	1206	811	2034	39	318	45	239	15	38.2	2.2	3.4	10.4	6.9			
51	P I	1657	489	514	65	97	25	97	11	15.5	1.2	1.5	7.0	3.3	11.2		
	P II	1961	455	481	65	94	25	93	11	14.9	1.2	1.5	6.2	3.4	9.7		
	EXP I	1645	302	46	100	0	0	0	0	0.0	0.0	0.0	0.2	0.0	0.0		
	EXP II	1485	302	50	100	0	0	0	0	0.0	0.0	0.0	0.2	0.0	0.0		
	REC I	2129	614	860	58	156	31	145	13	23.2	1.5	2.2	10.0	4.3	15.3		
	REC II	705	736	1802	39	293	46	214	15	34.2	2.4	3.2	7.2	5.9			
52	P I	1796	491	659	59	117	29	119	13	19.0	1.4	1.9	8.0	4.0	12.2		
	P II	1686	398	560	57	99	30	103	14	16.5	1.1	1.5	6.5	3.3	9.6		
	EXP I	1495	302	40	100	0	0	0	0	0.0	0.0	0.0	0.2	0.0	0.0		
	EXP II	1202	302	42	100	0	0	0	0	0.0	0.0	0.0	0.2	0.0	0.0		
	REC I	1728	532	816	50	163	37	141	14	22.6	1.2	1.9	9.1	3.6	13.9		
	REC II	883	765	2115	49	243	38	189	13	30.2	2.5	3.1	8.7	5.9			

MEAN DAILY NUTRIENT INTAKES FOR INDIVIDUAL SUBJECTS

Subject Code No.	Periods	Water, ml		Cal	CHO gm	CHO %Cal	Fat gm	Fat %Cal	PRO gm	PRO %Cal	N		Ca gm	P gm	Na gm	K gm	Cl gm
		(1)*	(2)	(3)							gm	gm					
53	P I	1976	596	793	54	158	32	162	15	25.9	1.4	2.2	10.2	4.5	16.3		
	P II	2086	465	663	54	123	32	129	15	20.6	1.0	1.6	8.1	3.3	12.2		
	EXP I	1958	108	72	0	73	68	72	30	11.5	0.0	0.6	1.2	1.0	0.0		
	EXP II	1327	111	76	0	75	68	75	30	12.0	0.0	0.6	1.2	1.1	0.0		
	REC I	2213	666	886	53	187	34	177	14	28.3	1.6	2.6	11.4	5.2	17.4		
	REC II	785	795	2211	43	275	42	207	14	33.1	2.4	3.1	8.3	6.3			
54	P I	1708	416	684	52	118	34	112	14	17.9	0.9	1.4	7.2	2.6	11.6		
	P II	1395	430	681	55	114	32	112	14	17.9	0.8	1.3	7.3	2.6	11.5		
	EXP I	1486	105	71	0	71	68	71	30	11.4	0.0	0.6	1.2	1.0	0.0		
	EXP II	1820	117	78	0	79	68	78	30	12.5	0.0	0.6	1.3	1.1	0.0		
	REC I	1946	631	789	53	180	35	155	13	24.8	1.4	2.3	10.1	4.3	15.2		
	REC II	415	988	2769	46	331	39	264	14	42.2	2.9	3.9	11.4	7.8			
55	P I	1399	345	486	54	98	35	77	12	12.3	0.6	1.0	5.5	1.8	8.0		
	P II	1563	388	524	58	102	32	82	11	13.1	0.7	1.1	6.0	2.1	9.0		
	EXP I	1458	223	20	0	151	68	149	30	23.8	0.1	1.2	2.4	2.1	0.1		
	EXP II	2012	216	33	0	147	68	145	30	23.8	0.1	1.2	2.4	2.1	0.1		
	REC I	1812	533	752	50	162	36	148	15	23.7	1.0	1.8	9.1	5.3	14.1		
	REC II	443	710	2097	44	250	41	198	15	31.7	2.3	3.1	7.9	6.4			
56	P I	1619	450	743	52	129	34	124	15	19.8	0.4	1.2	8.1	2.4	12.9		
	P II	1673	455	714	53	124	33	124	15	19.8	0.5	1.0	8.1	2.6	12.6		
	EXP I	3207	208	43	0	141	68	138	30	22.1	0.1	1.1	2.3	2.0	0.1		
	EXP II	2546	216	33	0	147	68	145	30	23.2	0.1	1.2	2.4	2.1	0.1		
	REC I	2123	582	742	51	172	36	156	14	25.0	1.3	2.2	9.8	4.1	14.4		
	REC II	831	683	1921	46	229	40	183	14	29.3	2.2	2.8	6.8	5.9			

MEAN DAILY NUTRIENT INTAKES FOR INDIVIDUAL SUBJECTS

Subject Code No.	Periods	Water, ml			Cal	CHO gm	CHO %Cal	Fat gm	Fat %Cal	PRO gm	PRO %Cal	PROT N		Ca gm	P gm	Na gm	K gm	Cl gm
		(1)*	(2)	(3)								gm	gm					
57	P I	2214	254	535	1879	259	55	69	33	62	13	9.9	0.6	0.8	5.2	1.6	1.6	7.5
	P II	1959	451	663	3637	492	54	134	33	125	14	20.0	0.9	1.5	8.2	2.7	2.7	12.6
	EXP I	1556	126	23	1000	46	18	89	80	8	3	1.3	0.0	0.2	1.8	0.1	0.1	2.8
	EXP II	1956	126	23	1000	46	18	89	80	8	3	1.3	0.0	0.2	1.8	0.1	0.1	2.8
	REC I	2494	634	690	4693	605	51	190	36	165	14	26.4	1.3	2.2	10.3	4.2	4.2	15.1
	REC II	736	878	2172	6772	745	44	309	41	244	14	39.0	2.5	3.5	9.2	6.9	6.9	
58	P I	2613	272	361	2000	289	58	66	30	68	13	10.9	0.6	0.8	4.0	1.3	1.3	6.7
	P II	2239	343	450	2531	359	57	86	30	88	14	14.1	0.8	1.1	5.4	2.1	2.1	8.4
	EXP I	1574	119	22	943	44	19	84	80	7	3	1.1	0.0	0.1	1.7	1.1	1.1	2.6
	EXP II	1762	126	23	1000	46	18	89	80	8	3	1.3	0.0	0.2	1.8	0.1	0.1	2.8
	REC I	2056	547	757	4041	547	54	150	33	144	14	23.0	1.2	2.0	9.3	3.7	3.7	13.9
	REC II	823	797	2186	6132	682	44	282	41	210	14	33.6	2.4	3.3	6.9	6.9	6.9	

MEAN DAILY NUTRIENT INTAKES FOR INDIVIDUAL SUBJECTS

Subject	Periods	Water, ml	Cal	CHO	CHO	Fat	Fat	PRO	PRO	Ca	P	Na	K	Cl
Code No.		(1)*	(2)	(3)	gm	%Cal	gm	%Cal	gm	gm	gm	gm	gm	gm
59	P I	2548	337	544	2466	364	59	83	30	73	12	11.7	0.7	1.0
	P II	2655	579	610	4232	625	59	138	29	136	13	21.8	1.3	1.9
	EXP I	2752	254	47	2005	94	19	179	80	14	3	2.2	0.1	0.4
	EXP II	3304	254	47	2005	94	19	179	80	14	3	2.2	0.1	0.4
	REC I	3106	804	909	5867	826	56	214	32	193	13	30.9	2.0	3.0
	REC II	883	1019	2633	7704	950	49	323	38	252	13	40.3	2.7	3.8
60	P I	2387	572	630	4196	614	58	142	30	126	12	20.2	0.8	1.4
	P II	2176	501	622	3729	498	53	140	34	127	14	20.3	0.8	1.4
	EXP I	1685	190	34	1494	80	21	128	77	12	3	1.9	0.1	0.2
	EXP II	-----	-----	-----	-----	-----	---	---	---	---	---	---	---	---
	REC I	-----	-----	-----	-----	-----	---	---	---	---	---	---	---	---
	REC II	1066	872	2135	6684	760	45	301	40	229	14	36.6	2.4	3.9
61	P I	2606	418	517	3060	454	59	104	30	85	11	13.6	0.4	1.0
	P II	-----	-----	-----	-----	-----	---	---	---	---	---	---	---	---
	EXP I	2445	254	47	2005	94	19	179	80	14	3	2.2	0.1	0.4
	EXP II	3052	254	47	2005	94	19	179	80	14	3	2.2	0.1	0.4
	REC I	2985	613	832	4540	598	52	178	35	156	14	25.0	0.8	2.0
	REC II	2118	858	1773	6510	745	46	295	41	231	14	37.0	2.0	3.2

MEAN DAILY NUTRIENT INTAKES FOR INDIVIDUAL SUBJECTS

Subject Code No.	Periods	Water, ml		Cal	CHO gm	CHO %Cal	Fat gm	Fat %Cal	PRO gm	PRO %Cal	PRO gm	Ca gm	P gm	Na gm	K gm	Cl gm
		(1)*	(2)	(3)												
48	P I	2312	523	611	3924	507	52	155	36	129	13	20.6	0.5	1.4	8.8	2.3
	P II	2258	471	546	3529	460	52	136	35	120	14	19.2	0.4	1.3	8.8	2.0
	EXP I	1404	155	65	1124	166	59	38	30	35	12	5.6	0.1	0.4	1.4	0.8
	EXP II	1462	155	65	1124	166	59	38	30	35	12	5.6	0.1	0.4	1.4	0.8
	REC I	2013	575	749	4387	477	43	206	42	168	15	26.9	0.8	2.1	11.8	3.2
	REC II	1086	839	2209	6467	722	45	290	40	234	14	37.4	2.6	3.5	9.1	6.3
62	P I	2024	457	652	3413	460	54	124	33	117	14	18.7	0.7	1.3	7.8	2.1
	P II	1729	443	659	3324	434	52	124	34	122	15	19.5	0.7	1.3	8.4	2.4
	EXP I	1128	155	65	1125	166	59	38	30	35	12	5.6	0.1	0.4	1.4	0.8
	EXP II	1090	155	65	1125	166	59	38	30	35	12	5.6	0.1	0.4	1.4	0.8
	REC I	1796	588	697	4312	619	57	151	31	135	12	21.6	1.2	2.0	9.9	3.7
	REC II	690	862	2182	6763	635	38	345	46	273	16	43.7	2.7	4.1	9.8	7.8
63	P I	1701	396	467	2943	401	54	110	34	90	12	14.4	0.4	1.0	8.1	2.0
	P II	1706	387	655	2904	377	52	110	34	105	14	16.8	0.5	1.2	7.3	2.1
	EXP I	1187	269	181	2001	265	53	76	34	71	14	11.4	0.2	0.7	4.0	1.6
	EXP II	1310	269	181	2001	265	53	76	34	71	14	11.4	0.2	0.7	4.0	1.6
	REC I	1584	383	714	2872	367	51	112	35	104	14	16.6	0.6	1.2	7.9	2.2
	REC II	688	524	1370	4024	428	42	196	44	138	14	22.1	1.4	1.9	5.8	4.4
64	P I	2123	604	770	4531	645	57	159	32	140	12	22.4	0.6	1.4	10.0	2.6
	P II	1774	585	722	4063	553	54	146	32	139	14	22.2	1.0	1.6	9.2	2.9
	EXP I	2303	269	181	2001	265	53	76	34	71	14	11.4	0.2	0.7	4.0	1.6
	EXP II	1426	269	181	2001	265	53	76	34	71	14	11.4	0.2	0.7	4.0	1.6
	REC I	2916	692	878	5188	647	50	216	37	178	14	28.5	1.4	2.4	11.5	3.9
	REC II	605	823	1972	6275	743	47	269	39	220	14	35.2	3.0	3.4	8.0	5.9

MEAN DAILY NUTRIENT INTAKES FOR INDIVIDUAL SUBJECTS

Subject Code No.	Periods	Water, ml		Cal	CHO gm	CHO %Cal	Fat gm	Fat %Cal	PRO gm	PRO %Cal	PROT N		Ca gm	P gm	Na gm	K gm	Cl gm
		(1)*	(2)	(3)							gm	gm					
65	P I	2012	522	783	3905	504	52	151	35	141	14	22.6	0.7	1.5	9.3	2.7	14.8
	P II	1859	469	761	3504	457	52	132	34	132	15	21.1	0.8	1.4	8.1	2.9	12.5
	EXP I	1335	403	255	3013	397	53	116	34	106	14	17.0	0.2	1.1	4.8	2.4	4.0
	EXP II	1498	403	255	2987	397	53	114	34	104	14	16.6	0.2	1.1	4.8	2.3	3.9
	REC I	2259	654	893	4865	627	51	192	36	179	14	28.6	1.5	2.4	11.2	4.6	17.2
	REC II	700	709	2028	5468	592	43	255	42	198	14	31.7	2.3	3.3	7.2	5.6	
66	P I	1878	481	653	2983	399	53	110	33	108	14	17.3	0.7	1.2	7.3	2.1	10.7
	P II	2119	391	629	2941	356	48	122	37	112	15	17.9	0.9	1.4	6.9	2.3	10.6
	EXP I	1896	403	255	3013	397	53	116	35	106	14	17.0	0.2	1.1	4.8	2.4	4.0
	EXP II	2092	403	255	2987	397	53	114	34	104	14	16.6	0.2	1.1	4.8	2.3	3.9
	REC I	2896	553	943	4136	491	47	176	38	170	16	27.2	1.7	2.5	10.0	4.8	15.5
	REC II	825	949	2210	7247	824	45	331	41	246	14	39.4	2.8	3.8	8.9	6.8	

MEAN DAILY NUTRIENT INTAKES FOR INDIVIDUAL SUBJECTS

Subject Code No.	Periods	Water, ml			Cal	CHO gm	CHO %Cal	Fat gm	Fat %Cal	PRO gm	PRO %Cal	PRO N gm	Ca gm	P gm	Na gm	K gm	Cl gm
		(1)*	(2)	(3)													
68	P I	1799	466	641	3443	491	57	120	31	105	12	16.8	0.4	1.2	8.4	2.1	13.4
	P II	1833	395	503	2908	414	57	102	31	93	13	14.9	0.6	1.2	6.8	2.4	10.6
	EXP I	910	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0
	EXP II	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	REC I	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	REC II	610	670	1778	5151	558	43	242	42	186	14	29.8	2.2	2.9	7.2	5.0	---
69	P I	2761	455	642	3407	441	52	131	35	122	14	19.5	0.7	1.4	8.2	2.5	13.2
	P II	2366	429	622	3205	416	52	122	34	118	15	18.9	0.8	1.3	7.8	2.5	12.4
	EXP I	917	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0
	EXP II	910	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0
	REC I	2814	640	829	4780	596	50	198	37	171	14	27.4	1.3	2.3	11.7	4.2	17.4
	REC II	855	781	2433	6020	682	45	265	40	217	14	34.7	2.3	3.2	9.5	6.6	---
70	P I	2102	457	689	3420	450	53	130	34	117	14	18.7	0.4	1.3	8.5	2.5	13.4
	P II	1394	383	544	2842	392	55	101	32	97	14	15.5	0.5	1.1	6.7	2.1	10.3
	EXP I	880	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0
	EXP II	844	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0
	REC I	2241	531	719	3971	502	50	162	37	139	14	22.2	0.8	1.8	9.5	3.0	14.0
	REC II	516	672	1853	5162	584	45	229	40	187	14	30.0	2.1	2.9	7.2	5.3	---

MEAN DAILY NUTRIENT INTAKES FOR INDIVIDUAL SUBJECTS

Subject Code No.	Periods	Water, ml		Cal	CHO	CHO	Fat	Fat	PRO	PRO	Ca	P	Na	K	Cl
		(1)*	(2)	(3)	gm	%Cal	gm	%Cal	gm	%Cal	gm	gm	gm	gm	gm
71	P I	1700	477	518	539	62	110	29	88	10	14.1	0.4	1.6	7.6	1.9
	P II	1287	389	418	442	63	88	28	73	10	11.7	0.5	1.0	5.5	1.8
	EXP I	910	151	17	252	100	0	0	0	0	0.0	0.0	0.0	0.1	0.0
	EXP II	910	151	17	252	100	0	0	0	0	0.0	0.0	0.0	0.1	0.0
	REC I	2275	540	624	531	53	158	35	127	13	20.3	0.5	1.5	9.3	2.3
	REC II	710	673	1907	5044	47	215	38	185	15	35.2	2.2	2.9	7.0	5.2
72	P I	2552	376	529	2826	53	105	33	97	14	15.5	0.3	1.0	7.1	1.9
	P II	2375	406	520	3016	54	111	33	97	13	15.5	0.4	1.1	7.3	2.0
	EXP I	910	151	16	1000	252	0	0	0	0	0.0	0.0	0.0	0.1	0.0
	EXP II	910	151	16	1002	252	0	0	0	0	0.0	0.0	0.0	0.1	0.0
	REC I	2837	555	718	4176	49	174	37	152	14	24.3	0.8	1.8	10.6	3.0
	REC II	841	715	1916	5526	45	240	39	199	14	31.8	2.4	3.1	6.5	5.6
73	P I	2941	441	718	3306	51	129	35	119	14	19.0	0.7	1.4	8.5	2.6
	P II	2477	394	623	2958	50	114	35	120	16	19.2	1.0	1.4	7.1	2.6
	EXP I	910	303	35	1999	505	0	0	0	0	0.0	0.0	0.0	0.2	0.0
	EXP II	910	303	34	1997	506	0	0	0	0	0.0	0.0	0.0	0.2	0.0
	REC I	2888	596	845	4415	52	174	35	154	14	24.6	1.1	2.0	10.4	3.7
	REC II	1053	676	1928	5151	46	231	40	185	14	29.6	2.2	2.9	6.6	5.4
74	P I	1709	448	656	3353	52	129	35	117	14	18.7	0.8	1.4	8.3	2.4
	P II	1910	428	647	3195	53	115	32	127	16	20.3	1.1	1.4	7.2	2.7
	EXP I	727	302	40	2005	503	0	0	0	0	0.0	0.0	0.0	0.2	0.0
	EXP II	910	301	40	2006	502	0	0	0	0	0.0	0.0	0.0	0.2	0.0
	REC I	2636	532	807	4000	48	171	38	143	14	22.9	1.0	1.7	9.7	2.9
	REC II	596	717	3212	5539	41	274	44	209	15	33.4	2.4	3.2	7.3	5.6

MEAN DAILY NUTRIENT INTAKES FOR INDIVIDUAL SUBJECTS

Subject Code No.	Periods	Water, ml		Cal	CHO gm	CHO %Cal	Fat gm	Fat %Cal	PRO gm	PRO %Cal	PRO N gm	Ca gm	P gm	Na gm	K gm	Cl gm
		(1)	(2)	(3)												
75	P I	509	444	636	460	56	114	31	111	14	17.8	0.8	1.2	7.9	2.4	12.2
	P II	1845	394	614	389	53	108	33	109	15	17.4	0.8	1.2	7.3	2.4	11.5
	EXP I	898	111	76	0	0	75	68	75	30	12.0	0.0	0.6	1.2	1.1	0.0
	EXP II	910	116	78	0	0	79	68	78	30	12.5	0.0	0.6	1.3	1.1	0.0
	REC I	2797	557	792	533	51	165	35	146	14	23.4	1.2	1.8	9.6	3.0	14.7
	REC II	848	745	2034	5661	45	258	41	204	14	32.6	2.4	3.2	7.4	5.7	
76	P I	2013	421	614	414	52	119	34	113	14	18.1	0.7	1.2	7.8	2.2	11.9
	P II	1956	397	592	393	53	109	33	108	14	17.3	0.7	1.2	7.2	2.2	11.1
	EXP I	910	111	76	0	0	75	68	75	30	12.0	0.0	0.6	1.2	1.1	0.0
	EXP II	910	116	78	0	0	79	68	78	30	12.5	0.0	0.6	1.3	1.1	0.0
	REC I	2764	548	703	4066	52	158	35	143	14	22.9	1.3	2.0	9.8	3.7	15.0
	REC II	830	739	1884	5712	40	289	46	205	14	32.8	2.2	3.1	7.1	5.6	
77	P I	1971	384	591	363	52	110	35	95	14	15.2	0.4	1.1	7.5	2.0	11.3
	P II	1992	365	630	339	49	110	36	108	16	17.3	0.4	1.1	7.6	2.1	11.4
	EXP I	910	223	20	0	0	151	68	149	30	23.8	0.1	1.2	2.4	2.1	0.1
	EXP II	910	202	55	0	0	137	68	135	30	21.6	0.1	1.1	2.2	2.0	0.1
	REC I	2782	586	916	534	48	183	37	170	15	27.2	1.3	2.2	11.5	4.0	17.7
	REC II	738	732	1927	5622	43	269	43	201	14	32.2	2.2	3.1	6.7	5.8	
78	P I	1592	483	540	512	58	123	31	107	12	17.1	1.2	1.7	8.1	3.4	12.6
	P II	1464	379	530	381	54	103	33	98	14	15.7	0.9	1.4	6.7	2.8	10.4
	EXP I	910	223	20	0	0	151	68	149	30	23.8	0.1	1.2	2.4	2.1	0.1
	EXP II	910	217	33	0	0	147	68	145	30	23.2	0.1	1.2	2.4	2.0	0.1
	REC I	2252	558	780	4093	55	154	34	133	13	21.3	1.4	2.0	9.5	4.0	14.7
	REC II	248	622	1926	4753	46	212	40	170	14	27.2	2.2	2.8	6.5	5.0	

MEAN DAILY NUTRIENT INTAKES FOR INDIVIDUAL SUBJECTS

Subject Code No.	Periods	Water, ml		Cal	CHO	CHO	Fat	Fat	PRO	PRO	Ca	P	Na	K	Cl
		(1)*	(2)	(3)	gm	%Cal	gm	%Cal	gm	gm	gm	gm	gm	gm	gm
79	P I	2035	452	665	447	53	125	34	121	14	19.4	0.8	1.5	8.2	2.9
	P II	1834	434	582	441	55	115	32	113	14	18.1	0.8	1.4	7.6	2.7
	EXP I	910	126	23	1000	46	89	80	8	3	1.3	0.0	0.2	1.8	0.1
	EXP II	910	126	23	1000	46	89	80	8	3	1.3	0.0	0.2	1.8	0.1
	REC I	2034	529	724	3976	48	168	38	152	15	24.3	1.0	2.0	10.2	3.7
	REC II	691	686	2038	5670	43	266	42	210	15	33.6	2.3	3.2	7.8	6.0
80	P I	1395	459	643	3398	54	129	34	110	13	17.6	0.5	1.2	8.0	2.0
	P II	1357	366	501	2833	56	101	32	95	13	15.2	0.7	1.2	6.3	2.3
	EXP I	881	126	23	1000	46	89	80	8	3	1.3	0.0	0.2	1.8	0.1
	EXP II	910	126	23	1000	46	89	80	8	3	1.3	0.0	0.2	1.8	0.1
	REC I	2087	530	735	3914	54	149	34	132	13	21.1	1.0	1.9	8.8	3.3
	REC II	413	745	2059	5664	46	254	40	198	14	31.7	2.3	3.1	6.9	5.9
81	P I	1623	505	695	3435	53	129	34	123	14	19.7	0.8	1.5	8.7	2.8
	P II	1662	428	654	3205	52	120	34	124	15	19.8	0.8	1.5	7.8	3.0
	EXP I	910	254	47	2005	19	179	80	14	3	2.2	0.1	0.4	3.5	0.2
	EXP II	910	254	47	2005	19	179	80	14	3	2.2	0.1	0.4	3.5	0.2
	REC I	2151	593	834	4369	53	168	35	156	14	25.0	1.4	2.2	10.4	4.3
	REC II	518	762	2330	5886	42	278	42	221	15	35.4	2.4	3.4	7.8	6.7
82	P I	1813	481	657	3569	55	130	33	116	13	18.6	0.7	1.4	8.2	2.3
	P II	2043	456	644	3418	52	130	34	127	15	20.3	0.8	1.4	8.3	2.5
	EXP I	910	254	47	2005	19	179	80	14	3	2.2	0.1	0.4	3.5	0.2
	EXP II	910	254	47	2005	19	179	80	14	3	2.2	0.1	0.4	3.5	0.2
	REC I	2363	636	844	4729	52	192	36	157	13	25.1	1.2	2.1	10.7	3.8
	REC II	648	746	1978	5676	46	252	40	202	14	32.3	2.3	3.2	6.8	5.8

MEAN DAILY NUTRIENT INTAKES FOR INDIVIDUAL SUBJECTS

Subject Code No.	Periods	Water, ml		Cal	CHO gm	CHO %Cal	Fat gm	Fat %Cal	PRO gm	PRO %Cal	N		Ca gm	P gm	Na gm	K gm	Cl gm
		(1)*	(2)	(3)							gm	gm					
83	P I	1631	422	552	406	52	124	35	109	14	17.4	0.7	1.2	7.8	2.0	11.7	
	P II	1786	383	569	362	50	113	35	109	15	17.4	0.7	1.2	7.0	2.1	10.5	
	EXP I	910	155	65	1124	59	38	30	35	12	5.6	0.1	0.4	1.4	0.8	1.3	
	EXP II	910	155	65	1124	59	38	30	35	12	5.6	0.1	0.4	1.4	0.8	1.3	
	REC I	1754	500	709	3713	51	149	36	135	14	21.6	1.1	1.9	8.7	3.5	13.1	
	REC II	620	613	1751	4721	43	220	42	182	15	29.1	2.1	2.9	6.0	5.1		
84	P I	1548	436	635	3267	52	126	35	115	14	18.4	0.7	1.3	7.8	2.2	12.0	
	P II	1735	401	581	2991	52	112	34	111	15	17.8	0.7	1.2	7.1	2.2	10.8	
	EXP I	910	155	65	1124	59	38	30	35	12	5.6	0.1	0.4	1.4	0.8	1.3	
	EXP II	910	155	65	1124	59	38	30	35	12	5.6	0.1	0.4	1.4	0.8	1.3	
	REC I	2224	531	688	3932	52	153	35	146	15	23.4	1.3	2.0	9.2	3.6	13.9	
	REC II	780	639	1897	4842	47	210	39	170	14	27.2	2.1	2.7	6.2	5.3		
85	P I	2143	475	768	3570	51	138	35	130	14	20.8	0.8	1.5	8.9	2.7	13.9	
	P II	1843	398	637	2973	52	111	34	112	15	17.9	0.8	1.2	6.8	2.4	10.6	
	EXP I	910	269	181	2001	53	76	34	71	14	11.4	0.2	0.7	4.0	1.6	3.2	
	EXP II	910	269	181	2001	53	76	34	71	14	11.4	0.2	0.7	4.0	1.6	3.2	
	REC I	2369	405	629	3027	51	123	36	106	14	17.0	0.8	1.3	7.2	2.2	10.9	
	REC II	1551	601	1773	5391	43	254	42	196	14	31.4	2.3	3.0	6.5	5.3		
86	P I	1832	362	454	2658	57	95	32	78	12	12.5	0.5	1.0	5.8	1.7	9.0	
	P II	1746	361	467	2633	61	83	28	79	12	12.6	0.7	1.0	5.3	2.1	8.0	
	EXP I	974	269	181	2001	53	76	34	71	14	11.4	0.2	0.7	4.0	1.6	3.2	
	EXP II	910	269	181	2001	53	76	34	71	14	11.4	0.2	0.7	4.0	1.6	3.2	
	REC I	2214	496	642	3655	54	143	35	119	13	19.0	1.0	1.6	7.7	2.9	11.4	
	REC II	885	617	1542	4719	45	214	41	168	14	26.9	2.0	2.6	5.3	5.7		

MEAN DAILY NUTRIENT INTAKES FOR INDIVIDUAL SUBJECTS

Subject Code No.	Periods	Water, ml		Cal	CHO	CHO	Fat	Fat	PRO	PRO	Ca	P	Na	K	Cl
		(1)*	(2)	(3)	gm	%Cal	gm	%Cal	gm	gm	gm	gm	gm	gm	gm
87	P I	1965	446	658	420	50	134	36	125	15	20.0	0.7	1.4	8.7	2.6
	P II	1905	396	558	381	52	111	34	116	15	18.6	0.8	1.3	7.0	2.6
	EXP I	1031	403	255	397	53	114	34	104	14	16.6	0.2	1.1	4.8	2.3
	EXP II	920	403	255	397	53	114	34	104	14	16.6	0.2	1.1	4.8	2.3
	REC I	2308	468	743	426	48	148	38	131	15	21.0	1.0	1.7	8.6	3.0
	REC II	711	591	1690	484	43	215	42	173	15	27.7	2.0	2.7	5.8	5.1
88	P I	1933	431	706	415	51	122	34	125	15	20.0	0.9	1.5	8.0	2.8
	P II	1953	422	666	401	51	118	34	134	17	21.4	1.0	1.6	7.7	3.1
	EXP I	1031	403	255	397	53	114	34	104	14	16.6	0.2	1.1	4.8	2.3
	EXP II	920	403	255	397	53	114	34	104	14	16.6	0.2	1.1	4.8	2.3
	REC I	2735	532	884	494	50	162	36	154	15	24.6	1.2	1.9	9.6	3.5
	REC II	898	665	1755	570	46	223	40	181	14	29.0	2.2	2.8	6.2	5.1

APPENDIX IV
CASE HISTORIES

	Pages
TABLE OF CONTENTS	
Flight 1: Subjects 1-22	641-650
Flight 2: Subjects 23-44	650-657
Flight 3: Subjects 45-66	657-664
Flight 4: Subjects 68-88	664-671

In this section a brief digest will be presented of the clinical observations made on each of the 87 volunteer airmen during their six weeks of participation in the winter tests. The notes will be presented by flights and periods so that reference may be readily made to concurrent biochemical and physiological data detailed elsewhere in this report.

Flight 1

Subject 1. Malayan male, aged 19 yrs. Past history of asymptomatic genu valgus, left; whooping cough; and hay fever. Physical examination on 22 Feb. indicated genu valgus, left, which was stated to lead to muscle pain after walking one mile; also present was nasopharyngitis. X-ray examination of chest revealed that heart and lungs were essentially negative.

Pre-period: Uneventful, except for muscle pain on walking.

Experimental period: On 9 Mar. subject "collapsed" three times with momentary loss of consciousness at least once. On 10 Mar. right parotitis was discovered; subject was isolated in sick bay and taken off experimental regimen. Swelling of parotid gland subsided in two days and on 14 Mar. he was placed in Flight 3. Remainder of period uneventful.

Recovery period: Uneventful, except for muscle pains previously described. Physical examination on 30 Mar. essentially negative.

Subject 2. Negro male, aged 17 yrs. Past history of mumps and poor oral hygiene. Physical examination on 22 Feb. essentially negative. X-ray examination of chest revealed that heart and lungs were essentially negative.

Pre-period: Uneventful.

Experimental period: Complained of stomach cramps and "growling" stomach on second and third days. At noon on third day he was found lying face down

on the ground when the flight assembled to march to camp from mess hall; he was tearful and said that he could not go on. With encouragement he continued and two days later he was in excellent spirits. On the seventh day weakness first appeared but he also ran the fastest half mile of his flight. On the eighth day he voluntarily chopped wood; his actions, however, were slowing. In the second week he experienced little hunger. He had steadily increasing weakness. He had "black-out spells" on suddenly standing but there was little change in this symptom throughout the week. Except for weight loss physical examination on 20 Mar. was not remarkable.

Recovery period: Uneventful except for abdominal fulness after first "unlimited" meal and occasional headaches which disappeared spontaneously. Physical examination on 30 Mar. was essentially negative.

Subject 3. White male, aged 18 yrs. Past history of swollen painful joints, headache, dizziness, running ears, poor oral hygiene, chest pain, leg cramps, "gastrointestinal troubles", boils, painful shoulder and elbow, "trick" knee, and bed wetting. Physical examination on 22 Feb. revealed hyperkeratosis on knees and elbows bilaterally. X-ray of chest disclosed that the heart and lungs were essentially negative.

Pre-period: Quiet, stolid, and uncomplaining. During second week he received penicillin two days for pharyngitis.

Experimental period: Complained of foot blisters on fifth day. On seventh day complained of irritating liquid stools (four per day for three days); diarrhea mixture cured condition. He experienced slight hunger in second week but there was no weakness. On ninth day he experienced a "blackout" spell on standing. On day of two-hour test (Day 11) he fainted after venipuncture. Physical examination on 20 Mar. was not remarkable.

Recovery period: Heartburn and belching until seventh day. He vomited after his first "unlimited" meal. Physical examination on 30 Mar. was essentially negative.

Subject 4. White male, aged 17 yrs. Past history, noncontributory. At the time of the physical examination on 22 Feb. he complained of pain in the left shoulder. Among the signs present were dental caries, smooth tip of tongue, and slight "crusting" about the nose. X-ray examination of the chest disclosed that the heart and lungs were essentially negative.

Pre-period: Upper respiratory infection during second week, for which he was confined to quarters.

Experimental period: On second day complained of weakness, dizziness, and sore toe; appeared listless, moved slowly; and seemed unhappy. On the third day he had chest pains in the lower quadrant of right chest; physical examination disclosed only a few rales. On the fifth day he complained of feeling cold and difficulty keeping warm at night. TPR was 97.6°F, 50 and 18. He had pain in RUQ which was aggravated by walking and deep breathing. Peristalsis

was hypoactive but no mass was palpable. There were decreased right abdominal reflexes and slight guarding on the right. From this evening he was kept in the dispensary until the ninth day. During his stay in the dispensary the pain continued to increase and moved closer to the midline. It was not relieved by Amphojel on the seventh day. On the eighth day it was decided to discontinue the starvation regimen and begin rehabilitation. A satisfactory diagnosis of the condition was not made. He was placed in Flight 3 and his convalescence was uneventful. Physical examination on 20 Mar. was essentially negative.

Recovery period: Upper respiratory infection with post nasal drip which caused burning sensation in throat and kept him awake at night. Physical examination on 30 Mar. disclosed that the subject was still six lb. under his "normal" weight. There were crusts about nose, moist angular fissures, and a slightly coated tongue.

Subject 5. White male, aged 17 yrs. Past history of whooping cough, bleeding easily, and injury to left knee. Except for upper respiratory infection, physical examination of 22 Feb. was not remarkable. X-ray examination of chest revealed that the lungs and heart were essentially negative.

Pre-period: Uneventful.

Experimental period: Upper respiratory infection during first day or so. Complained of weakness on second day; foot blister on fifth day; and heartburn on seventh day. The latter responded to belladonna. During the second week he had abdominal cramps for two days, which were relieved with tincture of belladonna. Heartburn occasionally. Occasional loose stools with no anal irritation. Feet cramped every night in the sleeping bag. Hands and feet went to "sleep" quickly if they rested in fixed posture. Blacks out on sudden standing. Weakness. Physical examination on 20 Mar. not remarkable.

Recovery period: Sore tongue on 27, 28, and 29 Mar. Stomach uncomfortable after first full meal. Heartburn while on 5-in-1 rations (REC I). Headache on 29 and 30 Mar. Pain in right side when walking. Physical examination on 30 Mar. not remarkable.

Subject 6. White male, aged 17 yrs. Past history of measles, whooping cough, headache, chronic cough, leg cramps, indigestion, boils, and alcoholism. Physical examination on 22 Feb. revealed dermatophytosis, tinea versicolor, and flat feet, mild. He complained of pain in ankles and feet. X-ray examination of the chest disclosed that the heart and lungs were essentially negative.

Pre-period: Pharyngitis on fifth day treated with penicillin.

Experimental period: On the third day he developed loose stools which responded to diarrhea mixture. He felt nauseated when he started to eat. Since fourth day he has had a bad taste in the mouth constantly. His back ached while walking from fourth day until eleventh day. No defecation in the second week. During this week he reported that his hands and feet went to

sleep "slower than some other subjects". Physical examination on 20 Mar. not remarkable.

Recovery period: Abdominal fullness after first two "unlimited" meals. Heartburn and belching. Physical examination on 20 Mar. essentially negative.

Subject 7. White male, aged 20 yrs. Past history of whooping cough, poor oral hygiene, and leg cramps. Physical examination on 22 Feb. essentially negative. X-ray examination of chest disclosed the lungs and heart to be essentially negative.

Pre-period: Uneventful.

Experimental period: Constipated for two weeks; no other significant complaints. Physical examination on 20 Mar. essentially negative.

Recovery period: Abdominal fullness after first "unlimited" meal with vomiting before second meal. Heartburn on 27 and 28 Mar. Transient enlargement of cervical lymph nodes. Physical examination on 30 Mar. essentially negative.

Subject 8. White male, aged 18 yrs. Past history of mumps, whooping cough, upper respiratory disease, leg cramps, depression, and nervousness. The subject had a tonsillectomy at the age of 7 and claims to have had a "stomach ulcer" in 1953. Physical examination on 22 Feb. revealed slight acniform of eruption on face. X-ray examination of the chest disclosed that the heart and lungs were essentially negative.

Pre-period: During the second week he was hospitalized at Chanute Air Force Base for pharyngitis.

Experimental period: Subject did not begin test diet until fifth day because of hospitalization. During the experimental period he reported cramps in his feet almost every night. His hands and feet went to sleep more easily than normal. He also noticed momentary dizzy spells. Physical examination on 20 Feb. was essentially normal.

Recovery period: Complained of fullness in the abdomen after first "unlimited" meal; otherwise, rehabilitation was uneventful. Physical examination on 30 Mar. within normal limits.

Subject 9. White male, aged 17 yrs. Past history of mumps and shortness of breath. He was 12 pounds underweight. At the time of the physical examination he complained of pain in the neck. Physical examination on 22 Feb. revealed conjunctival injection, slight stomatitis, folliculitis on thigh, slight tremor of hands, and evidence of recent weight loss. X-ray examination of chest disclosed that heart and lungs were essentially negative.

Pre-period: Subject was poorly motivated throughout most of the experiment. He did not mix well with other subjects, and exhibited a very flat affect. During the first six days of the pre-period he uniformly lost one

pound per day, presumably because he rejected much of the food given him at regular meal time.

Experimental period: Nauseated all morning of the second day. No complaints on third day. He was frightened by weight loss, and said he would quit if his weight fell to 100 pounds. Complained of weakness on fifth day, and headache on seventh. He always lags behind flight when marching. He walked with downcast eyes and took little interest in scenery or other activities of the flight. During second week reported occasional black-out spells on sudden standing. Vomited twice after evening meals. Felt tired and weak. Had trouble sleeping three nights. Stayed up all night on last night at Camp McCoy. Complained of some nausea but there was no belching, heartburn, or abdominal cramps. The only significant finding in physical examination of 20 Mar. was weight loss.

Recovery period: Abdominal fulness after first day of unlimited food. Substernal pain and "lump in throat" lasting for about one minute on several occasions after meals. Four times during the second week the subject awakened with night sweats. He complained of pain in the left anterior chest. We began to suspect tuberculosis. Physical examination on 30 Mar. within normal limits.

Subject 10. Negro male, aged 18 yrs. Past history of mumps. Physical examination on 22 Feb. revealed dental caries. X-ray examination of the chest disclosed that heart and lungs were essentially negative.

Pre-period: Uneventful.

Experimental period: Nausea all morning of the second day. Felt lazy and had difficulty eating meat bar on third day. On fourth day felt weak and tired and could hardly get the food down. On sixth and seventh days he had irritating liquid dark brown stools. Diarrhea mixture (8 ml on day seven) remedied this condition. In the second week he continued to feel weak and tired. Stomach growled less. Dizziness whenever standing quickly. Difficulty going to sleep during last four to five days of period. Physical examination on 20 Mar. was essentially negative.

Recovery period: Belching and heartburn until 27 Mar. For two days he had a head cold and concurrent frontal sinus pain. Physical examination on 30 Mar. within normal limits.

Subject 11. Negro male, aged 20 yrs. Past history of third degree pes planus, bilateral. Physical examination on 22 Feb. within normal limits. X-ray examination of the chest disclosed that heart and lungs were essentially negative.

Pre-period: Uneventful.

Experimental period: Vomited one hour after supper on first day. Since that time he had no further complaints. Physical examination on 20 Mar. within normal limits.

Recovery period: Abdominal fullness after beginning "unlimited" meals, had heartburn after supper on 28 Mar. On one occasion complained of sore gum in region of wisdom tooth. Physical examination on 30 Mar. essentially negative.

Subject 12. White male, aged 18 yrs. Past history of obesity (72 pounds overweight), swollen painful joints, mumps, and shortness of breath. On 30 Nov. 1953, his blood pressure was reported to have been 164/108 (Form 88). Physical examination on 22 Feb. disclosed epidermophytosis of feet and obesity. X-ray examination of chest revealed that heart and lungs were essentially negative.

Pre-period: Sore throat during the first week.

Experimental period: No complaints during the first week. Early in the second week he came to the dispensary one afternoon stating that "it" began in his cheek and then he had to spit out the coffee. Then "it" went to his neck and shoulder and at the time of the interview "it" was in his left hand. "It" next went to his left elbow. "It" then followed the suggestion to go to the left knee, ankle, foot, and depart. "It" did so and did not return. The medical officer suggested that he had momentarily acted as "mother" (in whose honor the subject wore a tattoo). No further treatment was necessary. Physical examination on 20 Mar. not remarkable except for obesity.

Recovery period: Complained of uncomfortable abdominal fullness on 27, 28, and 29 Mar. On 30 Mar. physical examination again within normal limits except for obesity.

Subject 13. Negro male, aged 18 yrs. Past history of mumps. Physical examination on 22 Feb. revealed poor oral hygiene and dental caries. X-ray examination of chest revealed that heart and lungs were essentially negative.

Pre-period: Uneventful.

Experimental period: Weakness in arms and legs on third day. Two irritating liquid stools on fifth and sixth days which responded to treatment with diarrhea mixture. Rhinorrhea on seventh day. Black out spells from fourth day on especially if he rested a long time and then rose quickly. Less abdominal discomfort in the second week. Legs felt weak and "as though they might bend" when he walked. Physical examination on 20 Mar. revealed nothing abnormal.

Recovery period: Had heartburn between meals until 28 Mar. Stomach cramps on the night of the first day of unlimited meals. Since switching to Field A Ration he has had nocturia four times per night; twice per night was usual on the 5-in-1 rations. Physical examination on 30 Mar. disclosed follicular hyperkeratosis on the forearms.

Subject 14. Negro male, aged 18 yrs. Past history of mumps, hay fever, and leg cramps. Physical examination on 22 Feb. within normal limits. X-ray examination of chest revealed that heart and lungs were essentially negative.

Pre-period: Uneventful.

Experimental period: Complained of weakness during the first two days and expressed fear of worrying his family when he returned home looking thin. In the second week he began to experience black out spells if he rested a long time and then stood suddenly. He experienced some pain in the RUQ and mid-stomach which became worse with walking. Parasthesias in hands and feet. Nightmares frequently. On the tenth day he came to the dispensary after the evening meal and fell hysterically on the bed. He then rose and fell on the floor. Finally he drank rapidly from his canteen and stared wildly around the room. When he began talking he said that his left foot felt cold, as if blood were welling up around it. He felt sick but could describe no pain. He specifically denied being weak or hungry. With reassurance from the medical officer he returned to camp talking of food all the way and arriving in good spirits. There was no recurrence. This subject has gradually been withdrawing from his group. He has been losing friends within the short period of the experiment. Other subjects considered him odd, and he has had some difficult inter-personal relations. Physical examination on 20 Mar. essentially negative.

Recovery period: Abdominal fullness on first day of "unlimited" meals. Heartburn and belching first four days of rehabilitation. Urinary urgency and nocturia first eight days of rehabilitation; no burning or polyuria. Physical examination on 30 Mar. essentially negative.

Subject 15. White male, aged 19 yrs. Past history noncontributory. Physical examination on 22 Feb. essentially negative. X-ray examination of chest revealed that heart and lungs were essentially negative.

Pre-period: Uneventful.

Experimental period: Blisters on his feet and rhinorrhea in the first week. Two days of loose stools in the second week, which responded to diarrhea mixture. Physical examination on 20 Mar. within normal limits.

Recovery period: Vomited after noon meal on first day of unlimited food. Had belching and heartburn. Physical examination on 30 Mar. essentially negative.

Subject 16. White male, aged 18 yrs. Past history of scarlet fever, mumps, eye trouble, poor oral hygiene, back brace, hernia, arthritis, painful shoulder and elbow, flat feet, depression (mother stated to be insane), and previously broken right leg. Physical examination on 22 Feb. disclosed moderated acniform eruption. X-ray examination of chest revealed that heart and lungs were essentially negative.

Pre-period: Hospitalized at Chamute Air Force Base in second week because of pharyngitis.

Experimental period: Began experimental diet on fifth day because of hospitalization. During second week complained of hunger and occasional dizziness. Physical examination on 20 Mar. disclosed no change in acniform eruption.

Recovery period: During the first week (while on 5-in-1) he had heartburn and nausea. On the seventh and eighth days he had a burning anus. He also complained of pain in the right leg which had been broken several years previously. Physical examination on 30 Mar. within normal limits.

Subject 17. White male, aged 18 yrs. Past history of mumps, whooping cough, poor oral hygiene, frequent colds, leg cramps, sleep walking, painful shoulder, and nervousness. Physical examination on 22 Feb. within normal limits. X-ray examination of chest revealed that heart and lungs were essentially negative.

Pre-period: Uneventful.

Experimental period: Slight pain in left chest on fifth day; sinus headache and rhinorrhea on seventh day. Increasing weakness in second week. Headache for three days in middle of second week. Physical examination on 20 Mar. within normal limits.

Recovery period: Felt weak and sick before breakfast during the first week of rehabilitation. Vomited after first, second, and fifth "unlimited" meals. Burning stomach pains on sixth, seventh, and eighth days for which he took Alka-seltzer on seventh and eighth days. Frequent headaches in morning and evening. Physical examination on 30 Mar. essentially negative.

Subject 18. White male, aged 18 yrs. Past history of mumps, whooping cough, eye trouble, poor oral hygiene, leg cramps, and flat feet. Physical examination on 22 Feb. disclosed scaling of the skin of the pinna and tinea versicolor. X-ray examination of chest revealed that heart and lungs were essentially negative.

Pre-period: Uneventful.

Experimental period: Sore throat on fourth day. Hungry, weak, and tired during second week. Frequent belching, but no pain or burning. Physical examination on 20 Mar. revealed seborrheic dermatitis on upper chest.

Recovery period: Abdominal fullness for first three days of unlimited eating. Physical examination on 30 Mar. essentially negative.

Subject 19. Negro male, aged 20 yrs. Past history of mild malocclusion, bilaterally relaxed inguinal rings but no definite hernia, and glucosuria. On 30 Nov. 1953, a 4 plus sugar was detected. On 1 Dec. 1953, the sugar was negative. A blood sugar on this day was recorded as 82 mg/100 ml. Physical examination on 22 Feb. within normal limits, except for an upper respiratory infection. X-ray examination of chest revealed that heart and lungs were essentially negative.

Pre-period: Uneventful.

Experimental period: Had a slight cold on day 5 and complained of abdominal fullness on the ninth and tenth days. No defecation for two weeks.

Physical examination on 20 Mar. within normal limits.

Recovery period: Felt full for the first two days of "unlimited" meals. Physical examination on 30 Mar. essentially negative.

Subject 20. White male, aged 17 yrs. Past history of mumps, hypertrophic tonsils, poor oral hygiene, night sweats, and mild kyphosis. Physical examination on 22 Feb. disclosed hypertrophic tonsils, gingivitis, and acniform eruption on back. X-ray examination of chest revealed that heart and lungs were essentially negative.

Pre-period: Tonsillitis, heartburn, and loose stools. These complaints were treated with penicillin, aureomycin, and tincture of belladonna and phenobarbital. The pharyngitis improved but the gastrointestinal complaints continued. Afebrile throughout.

Experimental period: Weak and hungry most of the time. Had soft or liquid stools three or four times a day during the first week. This condition improved during the second week. Heartburn most of the time and abdominal cramps which kept him awake much of the night. These symptoms also moderated in the second week. Anxiety at night. Black-out spells. Sore throat treated with penicillin on day 10. Physical examination on 20 Mar. disclosed no change in acniform of eruption; otherwise within normal limits.

Recovery period: Belching on 29 and 30 Mar. Some tenderness in dorsum of both feet. Physical examination on 30 Mar. was essentially negative.

Subject 21. White male, aged 18 yrs. Past history of mumps, poor oral hygiene, and pneumonia, the latter occurred two months prior to coming to Chanute Air Force Base. Physical examination on 22 Feb. disclosed dependent cyanosis of hands. X-ray examination of chest revealed that heart and lungs were essentially negative.

Pre-period: Uneventful.

Experimental period: Sore feet beginning on the fifth day. This condition was improved by changing foot gear. In the second week he had a sore throat. Physical examination on 20 Mar. essentially negative.

Recovery period: Uneventful. Physical examination on 30 Mar. within normal limits.

Subject 22. White male, aged 17 yrs. Past history of frequent colds, running ears, cramps in legs, heart trouble, and mumps. Physical examination on 22 Feb. essentially negative. X-ray examination of chest revealed that heart and lungs were essentially negative.

Pre-period: Uneventful.

Experimental period: Sore throat on first day. Intermittent discharge from left ear. The ear became painful when cold wind blew on it. Physical examination on 20 Mar. essentially negative.

Recovery period: Vomited after supper on 24 Mar. and experienced heartburn after supper on 29 Mar. Physical examination on 30 Mar. essentially negative.

Flight 2

Subject 23. White male, aged 18 yrs. Past history of pneumonia and broken right wrist. Previous operations were for T & A and right squint. Physical examination on 22 Feb. within normal limits. X-ray examination of chest revealed that heart and lungs were essentially negative.

Pre-period: Uneventful.

Experimental period: Mild headache on 9 Mar. On 11 Mar. no complaints except for mild feeling of fatigue. Examination disclosed odor of acetone on breath, flushed cheeks, cracked lips, mildly injected pharynx, and coated tongue. On 14 Mar. fatiguability had increased, and subject complained of mild insomnia and feeling cold. Marked acetone on breath. On 15 Mar. weakness and chilliness were the chief complaints. On 17 Mar. he complained more of weakness, fatigue, restlessness, dryness of mouth, sore tongue, and cracked lips. Acetone still present on breath. No further change in these symptoms during the remainder of the experimental period. Physical examination on 20 Mar. disclosed evidence of recent weight loss, dry lips, coated tongue, thickened saliva, and dry skin.

Recovery period: Uneventful. Physical examination on 30 Mar. within normal limits.

Subject 24. Negro male, aged 17 yrs. Past history of measles and mumps. Physical examination on 22 Feb. disclosed slight keloid formation on right elbow and knee. Skin very dry and slightly scaly especially on the lower extremities. X-ray examination of chest revealed that heart and lungs were essentially negative.

Pre-period: Uneventful.

Experimental period: During first week there was progressive fatiguability, a mild orthostatic dizziness, and slight insomnia. Acetone present on breath. During second week he complained of weakness and difficulty with marching. Acetone increased. Tongue became coated, lips dry, and mouth dry. Physical examination on 20 Mar. disclosed dry lips and skin, coated tongue and epidermophytosis.

Recovery period: Three loose stools on 27 Mar. Physical examination on 30 Mar. within normal limits.

Subject 25. Negro male, aged 17 yrs. Past history of measles, mumps, and chicken pox. Physical examination revealed dryness of the skin in the lower extremities and scarring on the right lower extremity. This scarring

resulted from a third degree burn when the subject was eight years old. X-ray examination of chest revealed that heart and lungs were essentially negative.

Pre-period: Uneventful.

Experimental period: On 9 Mar. complained of mild stomach cramps, weakness, and slight chest cold. On 11 Mar. he began to complain of black out spells. On 13 Mar. he collapsed while marching to chow. He recovered and returned to his flight. Complained of stomach cramps, fatigue, and mild dizziness. On 14 Mar. acetone appeared on breath. In the second week the symptoms of weakness, fatigue, and stomach cramps increased. He had few complaints of hunger and dehydration. His tongue became coated and his skin dry. Acetone was more evident on his breath. Physical examination on 20 Mar. disclosed a dry skin and lips and a coated tongue.

Recovery period: On 27 Mar. had four loose stools. On 29 Mar. became slightly nauseated from eating too much food and there was one episode of vomiting. Physical examination on 30 Mar. was within normal limits.

Subject 26. Negro male, aged 18 yrs. Past history of measles, mumps, and chicken pox. Physical examination on 22 Feb. disclosed acniform of eruption and pes planus. X-ray examination of chest revealed that heart and lungs were essentially negative.

Pre-period: Uneventful.

Experimental period: On 9 Mar. began to complain of mild stomach cramps and dizziness. During the remainder of the first week symptoms of weakness, dizziness, hunger, intolerance to cold, insomnia increased. Acetone appeared on breath. During the second week fatigue, weakness, insomnia, and dizziness continued to be the chief complaints. He also began to complain of thirst. Mouth, lips and skin became dry. Physical examination on 20 Mar. disclosed cracked lips, coated tongue, and dry skin.

Recovery period: On 25 Mar. complained of stomach cramps and bloating especially after eating. On 27 Mar. experienced some nausea after eating. Physical examination on 30 Mar. disclosed no significant abnormalities.

Subject 27. Negro male, aged 18 yrs. Past history of measles and mumps. Physical examination on 22 Feb. indicated enlarged tonsils and gynecomastia. X-ray examination of chest revealed that heart and lungs were essentially negative.

Pre-period: Uneventful.

Experimental period: Subject had only three complaints during the two-week period: sore feet from marching, sore teeth attributed to the high candy diet, and lack of bowel movements. Physical examination on 20 Mar. revealed dry lips, coated tongue, dry skin, mild acne vulgaris, canker sore, and weight loss.

Recovery period: Uneventful. Physical examination on 30 Mar. revealed knee jerks absent bilaterally.

Subject 28. Negro male, aged 20 yrs. Past history of mumps, and whooping cough. Physical examination on 22 Feb. within normal limits. X-ray examination of chest revealed that heart and lungs were essentially negative.

Pre-period: Uneventful.

Experimental period: Began period with cold which continued for most of the two-week period. On 11 Mar. stated that he "no longer gets hungry." On 15 Mar. a small asymptomatic canker sore was noted on the buccal mucosa. On 17 Mar. complained of occasional restlessness. Physical examination on 20 Mar. revealed dry mouth, coated tongue, and dry skin; mild acne vulgaris and weight loss.

Recovery period: Slight headache and stomach ache on 23 Mar. Headache again on 27 Mar. On 31 Mar. there was a moderate bilateral conjunctivitis for which he was hospitalized. Physical examination on 30 Mar. diminished knee jerks on left.

Subject 29. White male, aged 19 yrs. Past history of mumps and measles. Physical examination on 22 Feb. essentially negative. X-ray examination of chest revealed that heart and lungs were essentially negative.

Pre-period: Uneventful.

Experimental period: Uneventful. Physical examination on 20 Mar. revealed dry lips, slightly coated tongue, dry skin, and weight loss.

Recovery period: Occasional stomach cramps after beginning unlimited feeding. Physical examination on 30 Mar. within normal limits.

Subject 30. Negro male, aged 18 yrs. Past history of mumps and whooping cough. Physical examination on 22 Feb. revealed poor oral hygiene. X-ray examination of chest revealed that heart and lungs were essentially negative.

Pre-period: Uneventful.

Experimental period: No complaints. Physical examination on 20 Mar. revealed dry lips and coated tongue.

Recovery period: Occasional stomach cramps early in recovery period before beginning "unlimited" feeding. Physical examination on 30 Mar. within normal limits.

Subject 31. Negro male, aged 18 yrs. Past history of measles, mumps, and whooping cough. Physical examination on 22 Feb. revealed mild acne vulgaris. X-ray examination of chest revealed that heart and lungs were essentially negative.

Pre-period: Uneventful.

Experimental period: Vomited once on 11 Mar. 14 Mar. moodiness which continued for several days. On 17 Mar. complained that for the past two or three days he had experienced slight nausea and mild stomach cramps. Tincture of phenobarbital and belladonna given. Slight odor of acetone on breath. On 20 Mar. complained of continuing nausea and stomach cramps. No bowel movements during the two-week period. Physical examination on 20 Mar. revealed dry lips, coated tongue, weight loss.

Recovery period: Uneventful. Physical examination on 30 Mar. within normal limits.

Subject 32. Negro male, aged 18 yrs. Past history of measles, mumps and chicken pox. Physical examination on 22 Feb. essentially negative. X-ray examination of chest revealed that heart and lungs were essentially negative.

Pre-period: Uneventful.

Experimental period: On 11 Mar. complained of occasional stomach cramps. No bowel movements. Physical examination on 20 Mar. revealed dry lips, coated tongue, dry skin, and weight loss.

Recovery period: Uneventful. Physical examination on 30 Mar. revealed dryness of skin and knee jerks absent on right and diminished on left.

Subject 33. White male, aged 18 yrs. Past history noncontributory. Physical examination on 22 Feb. within normal limits. X-ray examination of chest revealed that heart and lungs were essentially negative.

Pre-period: Uneventful.

Experimental period: On 9 Mar. the subject complained that he was unable to tolerate the meat bar because of stomach cramps, burning, and nausea. The next day he had great difficulty eating all of his diet and complained that the meat bar was sticking in his throat. On 11 Mar. there was nausea and vomiting and practically none of the diet was eaten. Physical examination at this time revealed acetone on the breath. After a serious talk with this subject he began to eat all of his meat bar and his symptoms rapidly abated. He completed the experimental period with no further complaints relative to the gastrointestinal tract. On 18 Mar. he complained of dry, scaly, hardened thick skin on the palms of both hands. Physical examination on 20 Mar. revealed dry skin, dry lips, coated tongue, dental caries, skin of hands cracked, dry, scaly, thickened, and keratotic, and weight loss.

Recovery period: On 24 Mar. vomited once after the evening meal. On 27 Mar. complained of slight headache. Physical examination on 30 Mar. within normal limits.

Subject 34. White male, aged 18 yrs. Past history of measles, mumps, whooping cough, appendectomy, and T & A. Physical examination on 22 Feb.

essentially negative. X-ray examination of chest revealed that heart and lungs were essentially negative.

Pre-period: Slight cold on 25 Feb. Treated with APC tablets.

Experimental period: On 9 Mar. examination revealed slight right post-auricular lymphadenopathy and an inflamed ear drum. There was no associated temperature elevation or pain. On 11 Mar. he began to complain of low back pain with muchal rigidity. Physical examination was negative. He also complained of mild stomach cramps and sore feet. The lymphadenopathy was still present. On 20 Mar. he reported that during this period he had experienced occasional heartburn and sore teeth. Physical examination on 20 Mar. revealed dry and cracked lips, slightly coated tongue, bleeding of the gums with slight trauma, and weight loss.

Recovery period: On 23 Mar. complained of stomach cramps. On 27 Mar. complained of sore teeth and bleeding gums. Physical examination on 30 Mar. revealed bilaterally diminished knee jerks.

Subject 35. Negro male, aged 17 yrs. Past history of measles and hay fever. Physical examination on 22 Feb. essentially negative. X-ray examination of chest revealed that heart and lungs were essentially negative.

Pre-period: Uneventful.

Experimental period: Slight headache during the first day or so. On 11 Mar. "legs gave out on way to chow". On 14 Mar. complained of nausea after evening meal. This condition was successfully treated with tincture of belladonna and phenobarbital. Physical examination on 20 Mar. revealed dry lips and dry skin.

Recovery period: Uneventful. Physical examination on 30 Mar. revealed bilaterally absent knee jerks and bilaterally diminished ankle jerks.

Subject 36. White male, aged 18 yrs. Past history of mumps, chicken pox, appendectomy, and T & A. Physical examination on 22 Feb. revealed poor oral hygiene, moderate folliculitis of upper portion of back, increased pigmentation on the left lower chest posteriorly and third degree pes planus.

Pre-period: Uneventful.

Experimental period: On 9 Mar. complained of slight burning pain in stomach and slight headache. On 10 Mar. he complained of coldness. No other significant complaints. Physical examination on 20 Mar. revealed coated tongue and acne vulgaris.

Recovery period: Occasional stomach cramps early in rehabilitation. Physical examination on 30 Mar. revealed knee jerks diminished on right.

Subject 37. Negro male, aged 18 yrs. Past history of measles, mumps, and whooping cough. Physical examination on 22 Feb. disclosed old healed

perforations of ear drums bilaterally and excessive dryness of the skin of lower extremities. X-ray examination of chest revealed increased broncho-vascular markings bilaterally; more marked on right than on left and extending downward to where there are increased shadows in the para-cardiac area; findings considered to be within normal limits.

Pre-period: Uneventful.

Experimental period: Two loose stools on 13 Mar. for which he was given diarrhea mixture. Physical examination on 20 Mar. revealed dry lips and skin and weight loss.

Recovery period: Uneventful. Physical examination on 30 Mar. within normal limits.

Subject 38. Negro male, aged 18 yrs. Past history of mumps, measles, chicken pox. Physical examination on 22 Feb. within normal limits. X-ray examination of chest revealed that heart and lungs were essentially negative.

Pre-period: Uneventful.

Experimental period: On 9 Mar. complained of mild muscular pain in left groin. On 17 Mar. complained of slight nausea. No other significant complaints. Physical examination on 20 Mar. revealed dry lips and dry skin.

Recovery period: On 25 Mar. complained of burning anus after passing a rather large stool. Physical examination on 30 Mar. revealed bilaterally diminished knee jerks and ankle jerks.

Subject 39. Negro male, aged 18 yrs. Past history of measles, mumps, and scarlet fever. Physical examination on 22 Feb. essentially negative. X-ray examination of chest revealed that heart and lungs were essentially negative.

Pre-period: Uneventful.

Experimental period: On 9 Mar. complained of slight headache, slight fatigue, and mild dizziness. These complaints disappeared within the next day or so and, with the exception of sore feet, there were no further symptoms. Physical examination on 20 Mar. revealed a slight coating of the tongue.

Recovery period: Uneventful. Physical examination on 30 Mar. within normal limits.

Subject 40. Negro male, aged 18 yrs. Past history of measles, mumps, and whooping cough. Physical examination on 22 Feb. revealed traumatic conjunctivitis. X-ray examination of chest revealed an area of calcification measuring approximately 1.5 x 1.5 cm. along the mediastinal border at the edge of the first anterior rib. There are numerous small calcific deposits in both hilar areas.

Pre-period: Uneventful.

Experimental period: Slight cold on 9 Mar. Mild folliculitis of left inner thigh on 10 Mar. No further complaints. Physical examination on 20 Mar. essentially negative.

Recovery period: Uneventful. Physical examination on 30 Mar. within normal limits.

Subject 41. Negro male, aged 19 yrs. Past history of measles, mumps. Physical examination on 22 Feb. revealed acne vulgaris. X-ray examination of chest revealed that heart and lungs were essentially negative.

Pre-period: Uneventful.

Experimental period: Complained of sore feet during the first week. During second week complained of common cold and on 17 Mar. was nauseated and experienced occasional stomach cramps after supper; relief from tincture of belladonna and phenobarbital. Physical examination on 20 Mar. revealed heavily coated tongue and slightly dry and scaly skin.

Recovery period: On the first day complained of slight nausea after which there were no further symptoms. Physical examination on 30 Mar. within normal limits.

Subject 42. White male, aged 18 yrs. Past history of mumps, measles, rheumatic fever in 1947, and broken left ankle in 1940. Physical examination on 22 Feb. revealed marked acne vulgaris, especially on face. X-ray examination of chest revealed that heart and lungs were essentially negative.

Pre-period: During second week developed severe pharyngitis and tonsillitis. He was hospitalized but returned to his flight before the experimental period began.

Experimental period: No significant complaints with relation to the diet except for a slight headache on 16 Mar. Mild cold on 15 Mar. and mild cellulitis on left cheek from infected acne on 19 Mar. Physical examination on 20 Mar. revealed acne vulgaris and weight loss.

Recovery period: On 25 Mar. passed several loose stools. On 28 Mar. had a bout of projectile vomiting after the evening meal. Physical examination on 30 Mar. revealed acne vulgaris.

Subject 43. Negro male, aged 17 yrs. Past history of measles, mumps, chicken pox, and broken left wrist at age 14. Physical examination on 22 Feb. revealed a mild acne vulgaris. X-ray examination of chest revealed that heart and lungs were essentially negative.

Pre-period: Uneventful.

Experimental period: On 9 Mar. subject complained of head cold and two

episodes of epistaxis. No other complaints. Physical examination on 20 Mar. within normal limits.

Recovery period: Uneventful. Physical examination on 30 Mar. essentially negative.

Subject 44. Negro male, aged 18 yrs. Past history of measles, mumps, and chicken pox. Physical examination on 22 Feb. within normal limits. X-ray examination of chest revealed that heart and lungs were essentially negative.

Pre-period: Uneventful.

Experimental period: During first week complained of slight chronic sinusitis. On 14 Mar. developed a sore throat. Physical examination on 20 Mar. revealed a mildly injected pharynx with a slight enlargement of left tonsil and tender anterior cervical nodes bilaterally. Temperature, 100°F; pulse, 112. Condition responded within 48 hours to penicillin. Physical examination on 20 Mar. within normal limits.

Recovery period: Uneventful. Physical examination on 30 Mar. within normal limits.

Flight 3

Subject 45. White male, aged 18 yrs. Past history noncontributory. Physical examination on 22 Feb. essentially negative. X-ray examination of chest revealed that heart and lungs were essentially negative.

Pre-period: Uneventful.

Experimental period: On second day began to complain of hunger. On fourth day acetone was first detected on the breath. On fifth day weakness appeared for the first time. On sixth day complained of sore throat; examination revealed inflammation of right tonsil. On the ninth day feeling of weakness and lethargy began to increase and he began to complain of cramps and aches in his legs and arms and abdomen. Because of weakness he was hospitalized in dispensary for 24 hrs. Returned to his flight on day 10. On day 11 he complained of persistent weakness and dizziness but he was able to get along without assistance. No abdominal cramps; marked odor of acetone on breath. Physical examination on 20 Mar. revealed coated tongue, slight follicular hyperkeratosis, absent ankle jerks and knee jerks bilaterally, and weight loss. At this time he complained of "black-out" spells which had been present for the preceding day or so.

Recovery period: Uneventful. Physical examination on 30 Mar. revealed bilaterally absent ankle and knee jerks.

Subject 46. White male, aged 17 yrs. Past history of congenital syphilis and allergy to penicillin. Physical examination on 22 Feb. revealed

hypoactive ankle jerks on right and questionable ankle jerk on left. The knee jerks were slightly hypoactive bilaterally. The Romberg sign was negative. X-ray examination of chest revealed that heart and lungs were essentially negative.

Pre-period: In second week had mild bronchitis and a mild common cold.

Experimental period: On day 3 had general malaise, headache, and cough. Examination of EENT, chest, and lungs negative. Complained also of hunger, nausea, and abdominal pain; treated with aspirin and tincture of belladonna; complaints disappeared within 24 hours. On day 4 began to complain of weakness. On day 5 dizziness appeared and acetone was detected on the breath. On day 7 backache appeared for first time. The above symptoms continued for the second week, the subject complaining most of the dizziness, weakness, and backache. Physical examination on 20 Mar. revealed loss of weight and absent deep tendon reflexes.

Recovery period: Uneventful, except for occasional heartburn. Physical examination on 30 Mar. revealed cracked lower lips and absent knee and ankle jerks.

Subject 47. White male, aged 18 yrs. Past history noncontributory. Physical examination on 22 Feb. essentially negative. X-ray examination of chest revealed that heart and lungs were essentially negative.

Pre-period: Uneventful.

Experimental period: On day 1 complained that he hadn't passed any stools for nine days. On day 2 vomited and complained of oppression in precordial area and over left scapula; this symptom was associated with parasthesia; examination negative. On day 4 began to complain of weakness and dizziness on assuming upright posture and headache. On day 5 he collapsed several times and was brought to the dispensary. For several hours he was unable to talk. The medical officer, after finding no pathological changes, concluded that this was a conversion reaction. Subject remained in the dispensary for 24 hours and gradually recovered. On day 7 rehabilitation was begun and there were no further complaints. At the time of a physical examination on 14 Mar. he complained of feeling weak and tired. There were, however, no remarkable physical findings.

Recovery period: Uneventful. Physical examination on 30 Mar. within normal limits.

Subject 48. White male, aged 17 yrs. Past history of broken left wrist. Physical examination on 22 Feb. revealed enlarged tonsils. X-ray examination of chest demonstrated the presence of slight haziness in the left hilar area. The remainder of the lung field were normal.

Pre-period: Uneventful.

Experimental period: On day 5 he complained of chilliness. On day 6

he had a mild cold. Otherwise there were no significant complaints. Physical examination on 20 Mar. revealed that the biceps, triceps, and knee jerks were absent bilaterally.

Recovery period: Uneventful. Physical examination on 30 Mar. revealed that the knee jerks were absent.

Subject 49. White male, aged 22 yrs. Past history noncontributory. Physical examination on 22 Feb. within normal limits except for an upper denture. X-ray examination of chest revealed that heart and lungs were essentially negative.

Pre-period: Uneventful.

Experimental period: On day 3 he complained of a toothache and a sick feeling which was accompanied by weakness, malaise, dizziness, and abdominal cramping; an examination was normal. On day 4 he complained of chilliness. For the remainder of the period the malaise and weakness continued. Physical examination on 20 Mar. within normal limits.

Recovery period: Uneventful. Physical examination on 30 Mar. within normal limits.

Subject 50. White male, aged 18 yrs. Past history noncontributory. Physical examination on 22 Feb. within normal limits. X-ray examination of chest revealed that heart and lungs were essentially negative.

Pre-period: Uneventful.

Experimental period: Occasional dizziness and some hunger. On day 12 after the water diuresis test he experienced cramping and the passage of 4 to 5 loose stools. Physical examination on 20 Mar. revealed bilaterally absent ankle jerks and knee jerks.

Recovery period: Uneventful. Physical examination on 30 Mar. revealed absent ankle jerks bilaterally and knee jerks which were elicited only with reinforcement.

Subject 51. White male, aged 17 yrs. Past history of non-paralytic poliomyelitis in 1948. Physical examination on 22 Feb. revealed severe dental caries. X-ray examination of chest revealed that heart and lungs were essentially negative.

Pre-period: Uneventful.

Experimental period: No complaints. Physical examination on 20 Mar. revealed a weak left inguinal ring.

Recovery period: Uneventful. Physical examination on 30 Mar. within normal limits.

Subject 52. White male, aged 17 yrs. Past history noncontributory. Physical examination on 22 Feb. within normal limits. X-ray examination of chest revealed that heart and lungs were essentially negative.

Pre-period: Uneventful.

Experimental period: On day 4 experienced severe toothache and a dental extraction was performed. Treated with penicillin. On day 6 a mild conjunctivitis of the left eye developed. There were no significant complaints relative to the diet. Physical examination on 20 Mar. within normal limits.

Recovery period: Uneventful. Physical examination on 30 Mar. essentially negative.

Subject 53. White male, aged 18 yrs. Past history noncontributory. Physical examination on 22 Feb. within normal limits. X-ray examination of chest revealed that heart and lungs were essentially negative.

Pre-period: Uneventful.

Experimental period: During first week he complained of burning in the stomach after eating the ration. The food also caused occasional gagging. There were no significant complaints in the second week. Physical examination on 20 Mar. revealed absent knee jerks bilaterally.

Recovery period: Uneventful. Physical examination on 30 Mar. within normal limits.

Subject 54. White male, aged 17 yrs. Past history noncontributory. Physical examination on 22 Feb. essentially negative. X-ray examination of chest revealed that heart and lungs were essentially negative.

Pre-period: Sore throat on 23 Feb; otherwise uneventful.

Experimental period: On day 1 he complained of "lump in the throat" and slight burning following meals. On day 2 he began to complain of hunger and abdominal cramps. These complaints continued for the remainder of the first week. From day 5 through the second week he complained of an inability to sleep. On 20 Mar., at the time of the physical examination, he complained of slight peri-umbilical tenderness; there were no significant physical findings.

Recovery period: Uneventful. Physical examination on 30 Mar. within normal limits.

Subject 55. White male, aged 18 yrs. Past history noncontributory. Physical examination on 22 Feb. revealed the presence of myopia and a soft blowing systolic murmur; the heart was otherwise normal. X-ray examination of chest revealed that heart and lungs were essentially negative.

Pre-period: Uneventful. The electrocardiogram showed that the PR-interval was prolonged; there was a moderately elevated sedimentation rate (18 mm/hr).

Experimental period: Except for complaints of weakness and fatigue during the first week, there were no significant difficulties with the nutrient regimen. The electrocardiogram returned to normal. Physical examination on 20 Mar. was within normal limits; a systolic murmur was not detected.

Recovery period: Uneventful. Physical examination on 30 Mar. within normal limits.

Subject 56. White male, aged 20 yrs. Past history noncontributory. Physical examination on 22 Feb. within normal limits. X-ray examination of chest revealed that the aortic bulb was slightly prominent and that there was calcification bilaterally in the hilar areas; the examination was considered normal.

Pre-period: Uneventful.

Experimental period: During the first week he complained of the unpalatability of the diet stating that the food "sticks in my throat." There were no significant complaints in the second week. Physical examination on 20 Mar. within normal limits.

Recovery period: Uneventful. Physical examination on 30 Mar. within normal limits.

Subject 57. White male, aged 17 yrs. Past history noncontributory. Physical examination on 22 Feb. within normal limits except for a slight pharyngitis. X-ray examination of chest revealed that heart and lungs were essentially negative.

Pre-period: Pharyngitis which was treated with penicillin.

Experimental period: On day 4 he complained of feeling ill. Acetone was present on breath and the cheeks were slightly sunken. On the 5th day he complained of weakness. On the 6th day he had a mild attack of syncope. The only other complaints during the first week were mild hunger and abdominal cramps. During the second week there were no significant complaints. Physical examination on 20 Mar. revealed that the knee jerks were absent bilaterally.

Recovery period: Uneventful. Physical examination on 30 Mar. revealed that the knee jerks were absent bilaterally.

Subject 58. White male, aged 18 yrs. Past history of bronchial asthma for eleven years. Physical examination on 22 Feb. revealed a slight photophobia, slight nasal congestion, and expiratory wheezes in both posterior lung fields. X-ray examination of chest revealed that heart and lungs were essentially negative.

Pre-period: With symptomatic treatment the subject had no major problems from his asthma.

Experimental period: On days 1 and 2 he experienced some shortness of breath due to mild attacks of asthma. On day 4 he complained of weakness and having difficulty with sleeping. On day 6 he spent a 24-hour period in the dispensary where he was treated symptomatically for asthma. On day 9 he had another attack of dyspnea. There were few complaints relative to the diet. Physical examination on 20 Mar. within normal limits.

Recovery period: Uneventful. Physical examination on 30 Mar. essentially negative.

Subject 59. White male, aged 17 yrs. Past history noncontributory. Physical examination on 22 Feb. was negative except for a mild upper respiratory infection. X-ray examination of the chest revealed that the heart and lungs were essentially negative.

Pre-period: Tonsillitis treated with penicillin.

Experimental period: On day 3 he complained of abdominal cramping. There were no other complaints during the two-week period. Physical examination on 20 Mar. essentially negative.

Recovery period: Uneventful. Physical examination on 30 Mar. essentially negative.

Subject 60. Negro male, aged 17 yrs. Past history noncontributory. Physical examination on 22 Feb. within normal limits except for the presence of an upper respiratory infection. X-ray examination of chest revealed that the heart and lungs were essentially negative.

Pre-period: Uneventful.

Experimental period: For the first six days this subject complained repeatedly of intolerance for his high fat diet. His symptoms included nausea, vomiting, abdominal cramps, and the passage of occasional loose stools. Physical examination was repeatedly negative. Because of the persistent symptoms suggesting fatty intolerance this subject was removed from the experimental regimen on the seventh day. He was placed on diet mixture D-3, and for the next 5 days had minimal complaints. Physical examination on 14 Mar. within normal limits.

Recovery period: Uneventful. Physical examination on 30 Mar. within normal limits.

Subject 61. White male, aged 18 yrs. Past history noncontributory. Physical examination on 22 Feb. negative except for mild URI. X-ray examination of chest revealed that heart and lungs were essentially negative.

Pre-period: Away on emergency leave second week. No complaints.

Experimental period: No complaints. Physical examination on 20 Mar. within normal limits.

Recovery period: Uneventful. Physical examination on 30 Mar. within normal limits.

Subject 62. Negro male, aged 17 yrs. Past history of pulmonary tuberculosis. Physical examination on 22 Feb. revealed small umbilical hernia. X-ray examination of chest revealed a stringy infiltration overlying the second anterior rib on the right which is more marked than a similar area on the left.

Pre-period: Uneventful.

Experimental period: Only complaints were weakness and chilliness. Physical examination on 20 Mar. within normal limits.

Recovery period: Uneventful. Physical examination on 30 Mar. within normal limits.

Subject 63. White male, aged 22 yrs. Past history noncontributory. Physical examination on 22 Feb. within normal limits. X-ray examination of chest revealed that heart and lungs were essentially negative.

Pre-period: Uneventful.

Experimental period: No complaints relative to the diet. Physical examination on 20 Mar. within normal limits.

Recovery period: Uneventful. Physical examination on 30 Mar. within normal limits.

Subject 64. Negro male, aged 18 yrs. Past history noncontributory. Physical examination on 22 Feb. within normal limits. X-ray examination of chest revealed that heart and lungs were essentially negative.

Pre-period: Uneventful.

Experimental period: No significant complaints relative to the diet. Physical examination on 20 Mar. within normal limits.

Recovery period: Uneventful. Physical examination on 30 Mar. within normal limits.

Subject 65. White male, aged 18 yrs. Past history noncontributory. Physical examination on 22 Feb. within normal limits. X-ray examination of chest revealed that heart and lungs were essentially negative.

Pre-period: Uneventful.

Experimental period: No complaints relative to the diet. Physical examination on 20 Mar. within normal limits.

Recovery period: Uneventful. Physical examination on 30 Mar. within normal limits.

Subject 66. White male, aged 18 yrs. Past history noncontributory. Physical examination on 22 Feb. revealed the presence of severe acne on the face and a grade I systolic murmur at the apex. X-ray examination of the chest disclosed an area of haziness in the left hilar region which was interpreted as being not significant.

Pre-period: Uneventful.

Experimental period: No complaints relative to the diet. Cough on days 3, 4, and 5; no significant physical findings. Physical examination on 20 Mar. revealed moderate acne and hydrocele; the systolic murmur was not detected.

Recovery period: Uneventful. Physical examination on 30 Mar. revealed moderately severe acne on face.

Flight 4

Subject 67. Negro male, aged 18 yrs. Past history of measles, mumps, and pneumonia; T&A in 1953; "dislocation of neck in 1953". Physical examination on 22 Feb. revealed presence of epidermophytosis. X-ray examination of chest revealed that heart and lungs were essentially negative.

Pre-period: One head cold.

Experimental period: On 10 Mar. he complained of weakness and sore throat; examination indicated mild hyperemia of pharynx. On 12 Mar. he complained of nausea, general malaise, coldness, and faintness. Examination revealed odor of acetone on breath, parched lips, and dry tongue; blood pressure, 150/90; pulse, 72; and temperature 97.6°F.; heart, lungs, and abdomen were negative. Subject was hospitalized in the dispensary. He spent the next 24 hours at bed rest, and on 14 Mar. returned to his flight. Two hours later he returned to the dispensary complaining of a severe flank pain. Examination indicated a blood pressure of 120/84 and a pulse of 76. There was tenderness to palpation over the LUQ, but no rigidity. The impression was that this subject had reached a stage of exhaustion beyond which he should be pushed no further; consequently he was removed from the starvation regimen. He spent the day of 15 Mar. in bed and was given penicillin for a severe pharyngitis. He was transferred to Flight 3. Remainder of experimental period uneventful. Physical examination on 15 Mar. revealed a dry, coated tongue, slightly increased corneal vascularity.

Recovery period: Except for occasional abdominal fulness early in recovery, there were no significant complaints. Physical examination on 30 Mar. within normal limits.

Subject 69. Negro male, aged 18 yrs. Past history noncontributory. Physical examination on 22 Feb. revealed slight folliculitis of both tonsils. X-ray examination of chest revealed that the heart and lungs were essentially negative.

Pre-period: No significant complaints.

Experimental period: Complained of weakness on 10 Mar. On 13 Mar. complained of left IUQ pain which was present only when walking; negative examination. 15 Mar. chest cold. 16 Mar. complained of "stomach trouble". 18 Mar. complained of stomach cramps which were successfully treated with tincture of belladonna. Physical examination on 20 Mar. revealed dry skin.

Recovery period: On 27 Mar. complained of nausea; there was no vomiting. No further complaints. Physical examination on 30 Mar. was not remarkable.

Subject 70. Negro male, aged 17 yrs. Past history of measles and mumps. Physical examination on 22 Feb. revealed acniform eruption on forehead and chin, minimal pes planus, and knee jerks markedly hypoactive bilaterally, even with reinforcement. X-ray examination of chest revealed that the heart and lungs were essentially negative.

Pre-period: No complaints.

Experimental period: Complained occasionally of weakness, thirst, anorexia, dizziness, and abdominal distress. Physical examination on 20 Mar. revealed dry skin.

Recovery period: On 23 Mar. had head cold. No significant complaints relative to rehabilitation diet. Physical examination on 30 Mar. revealed dry skin.

Subject 71. Negro male, aged 18 yrs. Past history of chicken pox and mumps. Physical examination on 22 Feb. revealed pes planus, moderate, bilateral, and absent knee and ankle jerks bilaterally. X-ray examination of the chest revealed that the heart and lungs were essentially negative.

Pre-period: Upper respiratory infection.

Experimental period: No significant complaints. Physical examination on 20 Mar. within normal limits.

Recovery period: On 26 Mar. phimosis and balanitis which was successfully treated with Burrow's solution. Physical examination on 30 Mar. within normal limits.

Subject 72. Negro male, aged 17 yrs. Past history of mumps. Physical examination on 22 Feb. revealed sinus arrhythmia, slight umbilical hernia, slight epidermophytosis on the sole of the right foot, and bilaterally absent knee and ankle jerks. X-ray examination of the chest revealed that the heart and lungs were essentially negative.

Pre-period: In the first week he complained of a cold. In the second week he complained of a cold and a sore throat. Both episodes were afebrile.

Experimental period: On 8 Mar. he complained of a cold; an examination revealed rhinitis. On 10 Mar. the first upper pre-molars bilaterally were

extracted. On 13 Mar. he complained of a chest cold. On 20 Mar. he complained of a sore throat; the pharynx was found to be hyperemic. Physical examination on 20 Mar. was not remarkable.

Recovery period: Uneventful. Physical examination on 30 Mar. within normal limits.

Subject 73. Negro male, 19 yrs. Past history of whooping cough. Physical examination on 22 Feb. revealed slightly enlarged tonsils and second degree pes planus bilaterally. X-ray examination of the chest revealed numerous small calcific deposits in the left hilar area and increased density probably representing a node.

Pre-period: Upper respiratory infection.

Experimental period: On 10 Mar. complained of a toothache. On 13 Mar. complained of a cold. On 21 Mar. complained of sore gums; examination revealed an ulceration on the buccal aspect of the right upper posterior portion of gingivia. Physical examination on 20 Mar. revealed nothing remarkable.

Recovery period: Gingival ulcer healed within 48 hours. No complaints relative to the rehabilitation diet. Physical examination on 30 Mar. within normal limits.

Subject 74. Negro male, aged 19 yrs. Past history of whooping cough, measles, chicken pox; gonorrhea in 1951. Physical examination on 22 Feb. revealed external hemorrhoids. X-ray examination of chest revealed that the apical portions of both lung fields adjoining the mediastinum showed evidence of an old pleuritis; no evidence of active parenchymal disease; cardiac shadow normal.

Pre-period: Uneventful.

Experimental period: No complaints. Physical examination on 20 Mar. revealed ulceration of gingivia over right upper posterior portion of second molar area.

Recovery period: No complaints. Physical examination on 30 Mar. within normal limits.

Subject 75. Negro male, aged 18 yrs. Past history of whooping cough and chicken pox. Physical examination on 22 Feb. within normal limits. X-ray examination of chest revealed that heart and lungs were essentially negative.

Pre-period: Complained of head cold in both first and second weeks. Examination revealed hyperemia of nasal and pharyngeal mucosa; symptomatic treatment.

Experimental period: On 10, 11, 12, and 13 Mar. complained of a sore tooth; the pain was found to be due to gingival ulceration. The ulcer

responded to symptomatic treatment. On 16 Mar. he complained of chilliness, sore throat, and sore abdomen. A pharyngitis was found and treated symptomatically. Physical examination on 20 Mar. was not remarkable.

Recovery period: No complaints relative to the diet. Physical examination on 30 Mar. within normal limits, except for a tender swollen right ankle.

Subject 76. Negro male, aged 17 yrs. Past history of gonorrhea. Physical examination on 22 Feb. revealed acne of the bearded area of the face and external hemorrhoids. X-ray examination of chest revealed that the heart and lungs were essentially negative.

Pre-period: Uneventful.

Experimental period: Uneventful. Physical examination on 20 Mar. within normal limits.

Recovery period: Uneventful. Physical examination on 30 Mar. not remarkable.

Subject 77. Negro male, 17 yrs. Past history of measles, mumps, and chicken pox. Physical examination on 22 Feb. not remarkable. X-ray examination of chest revealed that heart and lungs were essentially negative.

Pre-period: No complaints.

Experimental period: On 8 Mar. complained of rhinitis. On 9 Mar. complained of abdominal cramps in the mid-epigastrium and nausea; there was no vomiting. Physical examination of the abdomen revealed some generalized tenderness particularly over the mid-epigastric area. These complaints continued through 11 Mar. and then subsided. On 13 Mar. complained of sore throat. A pharyngitis was discovered and penicillin was administered. The pharyngitis was healed by 16 Mar. On 16 Mar. he complained of pains in the legs and weakness. There was tenderness in the extensor aspects of both thighs to palpation. Physical examination on 20 Mar. not remarkable.

Recovery period: On 1 April a prominent varicosity was found on the mid-anterior tibial area of both legs. This condition was treated with elastic bandages. Physical examination on 30 Mar. was not remarkable except for the presence of bilateral varicosities mentioned above.

Subject 78. Negro male, aged 17 yrs. Past history noncontributory. Physical examination on 22 Feb. within normal limits. X-ray examination of chest revealed that the heart and lungs were essentially negative.

Pre-period: Complained of head colds in both weeks. These were treated symptomatically.

Experimental period: On 9 Mar. complained of a cold which was treated symptomatically. On 10 Mar. complained of feeling weak. There were no further complaints. Physical examination on 20 Mar. disclosed acne vulgaris.

Recovery period: Uneventful. Physical examination on 30 Mar. disclosed bilateral plantar warts.

Subject 79. Negro male, aged 17 yrs. Past history of measles and gonorrhea. Physical examination on 22 Feb. within normal limits. X-ray examination of chest revealed that the heart and lungs were essentially negative.

Pre-period: No complaints.

Experimental period: No complaints. Physical examination on 20 Mar. within normal limits.

Recovery period: No complaints relative to the rehabilitation diet. Physical examination on 30 Mar. was not remarkable.

Subject 80. Negro male, aged 20 yrs. Past history of whooping cough, mumps, and chicken pox. Physical examination on 22 Feb. revealed bilaterally absent ankle and knee jerks. X-ray examination of chest revealed that the heart and lungs were essentially negative.

Pre-period: Uneventful.

Experimental period: On 10 Mar. subject complained of sore throat. Examination revealed follicular tonsillitis and a temperature of 99.4° F; subject treated with penicillin. No complaints relative to the diet. Physical examination on 20 Mar. within normal limits.

Recovery period: Uneventful. Physical examination on 30 Mar. revealed hypertrophic papillae of the tongue.

Subject 81. Negro male, aged 17 yrs. Past history of measles and chicken pox. He had been under treatment for syphilis while at Lackland AFB. The physician at Chanute AFB cleared him for participation in the survival tests. Physical examination on 22 Feb. revealed acne vulgaris of the face. X-ray examination of the chest revealed that the heart and lungs were essentially negative.

Pre-period: A tooth was extracted in the second week.

Experimental period: During the first three days he had a chest cold which was afebrile. He was given penicillin during this period to control possible residual peri-apical infection at the site of extraction. On 16 Mar. he complained of being constipated. On 20 Mar. he complained of abdominal pain in the RLQ. Examination revealed some tenderness over the entire abdomen and the impression of the medical officer was that the subject was suffering from gastrointestinal spasms. The pain gradually responded during the next 24 hours to symptomatic treatment. Physical examination on 20 Mar. revealed acne vulgaris.

Recovery period: On 24 Mar. he received aureomycin for tonsillitis. On 25 Mar. he complained of severe pain in lower chest and abdominal pain

accompanied by severe heartburn. Examination revealed a temperature of 99.4° F, pharyngitis, tonsillitis, and abdominal tenderness in the upper quadrants. Symptomatic treatment. These complaints disappeared within the next 24 hours. No further complaints. Physical examination on 30 Mar. within normal limits.

Subject 82. Negro male, aged 17 yrs. Past history of chicken pox and measles. Physical examination on 22 Feb. within normal limits. X-ray examination of chest revealed that heart and lungs were essentially negative.

Pre-period: Uneventful.

Experimental period: No complaints relative to the diet. Physical examination on 20 Mar. within normal limits.

Recovery period: No complaints. Physical examination on 30 Mar. within normal limits.

Subject 83. Negro male, aged 18 yrs. Past history of mumps. Physical examination on 22 Feb. revealed bilaterally absent knee jerks. X-ray examination of chest revealed that the heart and lungs were essentially negative.

Pre-period: Slight cold in second week.

Experimental period: On 10 Mar. had the sudden onset of abdominal pain and light-headedness; there was no nausea or vomiting; examination was negative. Treatment belladonna. No further complaints. Physical examination on 20 Mar. within normal limits.

Recovery period: No complaints. Physical examination on 30 Mar. within normal limits.

Subject 84. Negro male, aged 17 yrs. Past history of mumps and chicken pox. Physical examination on 22 Feb. disclosed a grade II mitral systolic murmur. There was no history of rheumatic fever. X-ray examination of chest revealed that the heart and lungs were essentially negative.

Pre-period: No complaints. The electrocardiogram was within normal limits, but the sedimentation rate was persistently elevated.

Experimental period: On 9 Mar. he had a head cold which was treated symptomatically. No further complaints relative to the diet. The sedimentation rate continued to be elevated. Physical examination on 20 Mar. disclosed that the grade II murmur had disappeared.

Recovery period: No complaints. Physical examination on 30 Mar. disclosed anal fissures. The murmur was still absent. The sedimentation rate continued to be elevated throughout this period.

Subject 85. Negro male, age 19 yrs. Past history of mumps and chicken pox. Physical examination on 22 Feb. revealed acne on the face and chest and bilaterally absent knee jerks. X-ray examination of the chest revealed that the heart and lungs were essentially negative.

Pre-period: Uneventful.

Experimental period: On 21 Mar. complained of sore throat which was treated symptomatically. Physical examination on 20 Mar. revealed acne vulgaris.

Recovery period: The first upper molar was extracted at the dental clinic on 23 Mar. No complaints relative to rehabilitation. Physical examination on 30 Mar. within normal limits.

Subject 86. Negro male, aged 18 yrs. Past history of measles and mumps. Physical examination on 22 Feb. within normal limits. X-ray examination of chest revealed that heart and lungs were essentially negative.

Pre-period: No complaints.

Experimental period: No complaints. Physical examination on 20 Mar. within normal limits.

Recovery period: On 25, 26, and 27 Mar. complained of sore teeth. An examination revealed no significant cavities or gingivitis. Physical examination on 30 Mar. was within normal limits, but at this time he complained of frequent loose stools.

Subject 87. Negro male, aged 18 yrs. Past history of mumps and measles. According to Form 88 the subject had a "pulmonic systolic murmur, grade I, functional", but no history of heart disease. Physical examination on 22 Feb. revealed mild acne of the face; no murmur was detected. X-ray examination of chest revealed that the heart and lungs were essentially negative.

Pre-period: No complaints.

Experimental period: Complained of nausea on 10 Mar. On 11 Mar. he complained of a sore left arm. Examination revealed a tenderness of the bicep muscle which condition was attributed to chopping wood. On 16 Mar. he complained of nausea after meals, and stated that he had vomited once after supper the previous day. There were no further complaints. Physical examination on 20 Mar. within normal limits.

Recovery period: No complaints. Physical examination on 30 Mar. within normal limits.

Subject 88. Negro male, aged 18 yrs. Past history of chicken pox. Physical examination on 22 Feb. within normal limits. X-ray examination of chest revealed that heart and lungs were essentially negative.

Pre-period: Complained of sore throat which was treated symptomatically.

Experimental period: On 10 Mar. complained of having had no bowel movement for six days; that night he passed a spontaneous stool. On 13 Mar. he complained of a chest cold for which he was treated symptomatically. He

complained also of a toothache. This was treated symptomatically for the next 48 hours with success. There were no further complaints. Physical examination on 20 Mar. within normal limits.

Recovery period: No complaints. Physical examination on 30 Mar. revealed scattered vitiliginous spots over upper presternal area and anal fissures.

APPENDIX V
METEOROLOGICAL DATA

TABLE AV. 1

DAILY MAXIMUM AND MINIMUM TEMPERATURES: 22 FEB. - 4 APR. 1954
(°F)

Pre-Period*			Exp. Period**			Rec. Period*		
Date	Max.	Min.	Date	Max.	Min.	Date	Max.	Min.
F22	49	28	M 8	41	13	M22	45	25
23	49	36	9	44	10	23	48	37
24	54	32	10	43	8	24	58	39
25	38	28	11	50	30	25	68	42
26	41	19	12	32	21	26	48	34
27	41	34	13	31	19	27	58	31
28	40	32	14	31	15	28	66	40
M 1	43	25	15	37	-6	29	40	28
2	49	27	16	43	1	30	35	25
3	27	13	17	52	19	31	36	27
4	23	10	18	55	34	A 1	53	23
5	25	7	19	50	35	2	60	31
6	41	10	20	40	18	3	36	23
7	46	31	21	43	11	4	55	26
Mean	40.4	23.7	Mean	42.3	17.9	Mean	50.4	30.7

*Base Weather Service, Chanute AFB, Illinois

**Field Shelter, Mr. James Kramer, Observer

TABLE AV. 2

METEOROLOGICAL OBSERVATIONS: 22 FEB.-4 APR. 1954*

Date	Precipitation	Remarks
F22		Cloudy
23	Rain	Cloudy
24	Rain	Cloudy
25	Snow	Cloudy
26		Cloudy
27	Rain, snow	Cloudy; snow flurries
28	Rain, snow	Cloudy; snow flurries
M 1		Clear
2	Snow	Cloudy
3		Snow flurries; clearing
4		Clear
5		Clear
6		Clear
7		Clear
8		Clear
9		Clear
10		Cloudy
11		Cloudy
12	Snow, hail	Cloudy; high winds; thunderstorm
13	Snow	Cloudy
14		Snow flurries; clearing
15		Clear
16		Partly cloudy
17		Partly cloudy
18		Partly cloudy
19	Rain, snow	Cloudy; snow flurries; clearing
20		Clear
21		Clear
22		Cloudy
23		Cloudy
24	Rain	Cloudy
25	Rain	Cloudy
26		Clearing
27		Partly cloudy
28	Rain	Cloudy
29	Rain	Cloudy
30		Cloudy
31		Cloudy; snow flurries; clearing
A 1		Clear
2		Partly cloudy
3		Cloudy; snow flurries
4	Rain	Cloudy

*These observations were obtained from the records of the Base Weather Service, Chanute Air Force Base, and the records of Mr. James Kramer, weather observer during the two-week period at Camp McCoy, Wisconsin.

APPENDIX VI

FORMS FOR RECORDING OBSERVATIONS AND MEASUREMENTS

An integral part of a large scale investigation in the field is the systematic collection and recording of observations and measurements. Where there are both many observers and numerous subjects, it is vital that nothing, however insignificant it may appear, be overlooked. The various forms given in the following 22 tables proved to be completely satisfactory both during the study of 1953 and that of 1954. They are included because they serve to describe our methods of investigation. Possibly these forms will be of assistance to subsequent research workers.

TABLE AVI. 1

WATER DIURESIS TEST

Subject's Code No. _____ Date _____

Weight on day prior to test _____ lb _____ kg

Total dose of water 20 x _____ kg = _____ ml

Basal Urine Flow:

Exact time of 0800 voiding _____

Exact time of 0630 voiding _____ Volume _____ ml

Urine flow (ml/hr) _____

First Hour (Oral dose ingested 0800-0845):

Exact time of 0900 voiding _____

Exact time of 0800 voiding _____ Volume _____ ml

Urine flow (ml/hr) _____

Second Hour:

Exact time of 1000 voiding _____

Exact time of 0900 voiding _____ Volume _____ ml

Urine flow (ml/hr) _____

Third Hour:

Exact time of 1100 voiding _____

Exact time of 1000 voiding _____ Volume _____ ml

Urine flow (ml/hr) _____

Fourth Hour:

Exact time of 1200 voiding _____

Exact time of 1100 voiding _____ Volume _____ ml

Urine flow (ml/hr) _____

Total Volume _____ ml

TABLE AVI. 2

PHYSICAL FITNESS TEST

Subject's Code No. _____ Date _____

Time of test: 1300-1500, 1500-1700
(Circle correct interval)

Time to cover 1/2 mile course: _____ min _____ sec

Pulse rate (count for one minute in the period 1-2 minutes after
completing run) _____.

Subject's Code No. _____ Date _____

Time of test: 1300-1500, 1500-1700
(Circle correct interval)

Time to cover 1/2 mile course: _____ min _____ sec

Pulse rate (count for one minute in the period 1-2 minutes after
completing run) _____.

Subject's Code No. _____ Date _____

Time of test: 1300-1500, 1500-1700
(Circle correct interval)

Time to cover 1/2 mile course: _____ min _____ sec

Pulse rate (count for one minute in the period 1-2 minutes after
completing run) _____.

TABLE AVI. 3

TWO-HOUR TEST

Subject's Code No. _____ Date _____

Time of test: 0700-0900, 0900-1100, 1300-1500, 1500-1700
(Circle correct period)

Time of final voiding _____

Time of initial voiding _____

Lapse time _____

Volume _____ ml

Urine flow (ml/min) _____

Measurements after 30-minute rest (subject lying down):

Blood pressure, right arm systolic _____ diastolic _____

Pulse rate, radial _____

Comments on pulse _____

Electrocardiogram _____ (check)

Skinfold thickness

- a. Above right nipple _____ mm
- b. Dorsal aspect right upper arm _____ mm
- c. Above and left of umbilicus _____ mm
- d. Per cent body fat (from nomogram) _____ %

Time of venipuncture _____

TABLE AVI. 4

RESTING METABOLISM TEST

Subject's Code No. _____ Date _____

Passage of time: 20 seconds _____ sec

45 seconds _____ sec

70 seconds _____ sec

Electroencephalogram: Check _____ Resting _____ Hyperventilation _____

Post-hyperventilation _____

Respiratory Metabolism: Barometric Pressure _____

	Meter #1	Meter #2	Meter #3
Temperature (°C)	_____	_____	_____
S.T.P. factor	_____	_____	_____
Final reading (l)	_____	_____	_____
Initial reading (l)	_____	_____	_____
Difference (l)	_____	_____	_____
Difference x S.T.P. factor	_____ (M ₁)	_____ (M ₂)	_____ (M ₃)

CALCULATIONS FROM CORRECTED METER READINGS:

Pulmonary ventilation: $\frac{M_1}{10} = \text{_____ l/min}$ Oxygen consumption: $\frac{M_1 - (M_2 + M_3)}{10 \times 1000} = \text{_____ l/min}$ Carbon dioxide production: $\frac{M_2 - M_3}{10 \times 1000} = \text{_____ ml/min}$ R.Q.: $\frac{M_2 - M_3}{M_1 - (M_2 + M_3)} = \text{_____}$

TABLE AVI. 5

RAW DATA SHEET FOR RESTING METABOLISM TEST
Sheet #1

SUBJECT CODE NO.:

NAME:

HEIGHT:		WEIGHT:		SURFACE AREA:					
DATE:		TIME:		BAROMETER:		OPERATOR:			
Run #1									
Entry	M-1 Readings	T _{in}	T _{out}	M-2 Readings	T _{in}	T _{out}	M-3 Readings	T _{in}	T _{out}
Time:									
Raw Vol.		Mean T			Mean T			Mean T	
STP Vol.		STP Fact			STP Fact			STP Fact	
Run #2									
Entry	M-1 Readings	T _{in}	T _{out}	M-2 Readings	T _{in}	T _{out}	M-3 Readings	T _{in}	T _{out}
Time:									
Raw Vol.		Mean T			Mean T			Mean T	
STP Vol.		STP Fact			STP Fact			STP Fact	
Run #3									
Entry	M-1 Readings	T _{in}	T _{out}	M-2 Readings	T _{in}	T _{out}	M-3 Readings	T _{in}	T _{out}
Time:									
Raw Vol.		Mean T			Mean T			Mean T	
STP Vol.		STP Fact			STP Fact			STP Fact	

METABOLIC UNIT NUMBER:

M2 Correction:

O₂ Correction:CO₂ Correction:

TABLE AVI. 6

SUMMARY SHEET FOR RESTING METABOLISM TEST
Sheet #2

SUBJECT CODE NO.:				NAME:		
DATE:		TIME:		OPERATOR:		UNIT:
Run #1						
STP M-1 Volume		STP M-2 Volume		Run Duration: —— Minutes		
STP M-3 Volume		STP M-3 Volume				
(M-1)-(M-3)		(M-2)-(M-3)				
x O ₂ Corr.		x CO ₂ Corr.				
Run #2						
STP M-1 Volume		STP M-2 Volume		Run Duration: —— Minutes		
STP M-3 Volume		STP M-3 Volume				
(M-1)-(M-3)		(M-2)-(M-3)				
x O ₂ Corr.		x CO ₂ Corr.				
Run #3						
STP M-1 Volume		STP M-2 Volume		Run Duration: —— Minutes		
STP M-3 Volume		STP M-2 Volume				
(M-1)-(M-3)		(M-2)-(M-3)				
x O ₂ Corr.		x CO ₂ Corr.				
	Pul. vent.	O ₂ cons.	CO ₂ prod.	R.Q.	Cal/m ² /hr	
	l/min	ml/min	ml/min			
RUN #1						
RUN #2						
RUN #3						
Mean						

TABLE AVI. 7

BAROMETRIC PRESSURE CONVERSION MILLIBARS TO MILLIMETERS

Millibar Units as read	0	1	2	3	4	5	6	7	8	9
	Millimeters of Mercury									
950	712	713	714	714	715	716	717	717	718	719
960	720	720	721	722	723	723	724	725	726	726
970	727	728	729	729	730	731	732	732	733	734
980	735	735	736	737	738	738	739	740	741	741
990	742	743	744	744	745	746	747	747	748	749
1000	750	750	751	752	753	753	754	755	756	756
1010	757	758	759	759	760	761	762	762	763	764
1020	765	765	766	767	768	768	769	770	771	771
1030	772	773	774	774	775	776	777	777	778	779
1040	780	780	781	782	783	783	784	785	786	786
1050	787	788	789	789	790	791	792	792	793	794

MEDICAL HISTORY AND PHYSICAL EXAMINATION

Place _____ Date _____

Subject's Code No. _____ Sex _____ Age _____

Date of Birth _____ Place of Birth _____

Race: White ___ Black ___ Red ___ Yellow ___ Brown ___ Mixed ___ Other ___

National Group _____

Religious Group _____

History: None _____ Obtained by _____

Spontaneous Complaints None ___ If other detail:

Subject's Code No. _____

Elicited Complaints (System review). None _____ If other detail:

Conditioning Factors: None _____ If other detail:

Childhood diseases: _____

Previous illnesses: _____

Medical hospitalizations: _____

Surgical hospitalizations: _____

PHYSICAL EXAMINATION

Height: in with footgear _____ in without footgear _____

Height of heels (approx) _____ in.

Subject's Code No. _____

Weight: lb. with clothes _____ lb. without clothes _____

Weight of clothes (approx) _____ lb.

General condition:

Up and about _____ Bedridden _____ Other _____

Alert _____ Apathetic _____ Other _____

Well-developed _____ Poorly _____ Other _____

Obese _____ Well nourished _____ Thin _____

Wasted _____ Other _____

Eyes:

_____ No abnormalities

_____ Disturbance of vision. If present, detail _____

_____ Photophobia

_____ Dryness

_____ Disturbance of movement. If present, detail _____

_____ Bitot's spots

_____ Gross changes in opacity of sclera, _____ slight

_____ moderate _____ severe

_____ Gross changes in opacity of cornea

_____ Sclerocorneal vascularity, _____ slight

_____ moderate _____ severe

_____ Old corneal injury

_____ Follicular conjunctivitis

TABLE AVI. 8 (contd)

Hx & Px - 4

Subject's Code No. _____

_____ Gross conjunctivitis _____ slight _____ moderate
_____ severe

_____ Injection of vessels at bulbar conjunctiva

_____ Pterygia

_____ Pinguiculae

_____ Results of ophthalmoscopic examination _____

Ears:

_____ No abnormalities. If abnormalities present, detail _____

Nose:

_____ No abnormalities. If abnormalities present, detail _____

Lips and Mouth:

_____ No abnormalities

_____ Aphonia. If present, detail _____

_____ Angular fissures in absence of false teeth

_____ Cheilosis

_____ Color of tongue _____ normal. If not, detail _____

TABLE AVI. 8 (contd)

Hx & Px - 5

Subject's Code No. _____

_____ Edema of tongue _____ slight _____ moderate
 _____ severe

_____ Papillae and mucous membrane of tongue _____ normal

_____ If not, detail _____

_____ Stomatitis _____ slight _____ moderate _____ severe

_____ Active acute inflammation of the dental margin _____

_____ slight _____ moderate _____ severe

_____ Retraction or recession of gums

_____ Swelling of interdental papillae

_____ Bleeding of gums, either spontaneous or with slight trauma

_____ Oral hygiene _____ good _____ fair _____ poor

_____ Abnormal pigmentation of buccal mucosa. If present, location
 and nature. _____

Skin:

_____ No abnormalities

_____ Anemia of palms and mucous membranes

_____ Xerosis

_____ Follicular hyperkeratosis _____ slight _____
 moderate _____ severe. If present, area _____

_____ Acniform eruption _____ slight _____ moderate
 _____ severe. If present, area _____

_____ Seborrheic dermatitis. If present, area _____

_____ Psoriasis. If present, area _____

Subject's Code No. _____

_____ Acne rosacea
 _____ Eczema. If present, area _____
 _____ Telangiectasis. If present, area _____
 _____ Acrodynia
 _____ Jaundice
 _____ Dermatitis (pellagrous or pellagrous-like complex)
 Erythema _____
 Pigmentation _____
 Depigmentation _____
 Blisters _____
 Cracks _____
 Thickening _____
 Infected _____
 Area (describe) _____
 _____ acute _____ chronic _____ slight
 _____ moderate _____ severe
 _____ Thickening and pigmentation of skin at elbows or knees. If
 present, detail _____
 _____ Miliaria _____ slight _____ moderate
 _____ severe. If present, area _____
 _____ Traumatic dermatitis _____ slight _____ moderate
 _____ severe. If present, area _____
 _____ Dermatitis of fungus infection _____ slight
 _____ moderate _____ severe. If present, area _____

Subject's Code No. _____

_____ Perifolliculosis without hemorrhage
_____ Petechial hemorrhages. If present, area _____
_____ Purpura. If present, area _____
_____ Other. If present, detail (especially "cracked" skin,
"blackheads", "Whiteheads", suborbital pigmentation) _____

Trunk:

Heart

_____ Normal. If abnormal, detail _____

_____ Pulse rate. Position _____

_____ Blood pressure. Position _____

Chest

_____ Normal. If abnormal, detail _____

Abdomen

_____ Normal
_____ Liver enlarged. Detail _____
_____ Spleen enlarged. Detail _____
_____ Other abnormalities. Detail _____

Subject's Code No. _____

Endocrine and Lymphatic Systems:

_____ Normal. If abnormal, detail _____

Extremities:

_____ No abnormalities

_____ Brittleness of nails

_____ Spooning of nails

_____ Grooving or pitting of nails

_____ Pigmentation. If present, area _____

_____ Palmar erythema

_____ Epidermophytosis of hands or feet _____ mild _____

moderate _____ severe. If present, location _____
__________ Other. If present, detail _____

Neuromuscular and Locomotor Systems:

_____ No abnormalities

_____ Muscular weakness

_____ Knee jerks absent _____ right _____ left _____ both

_____ Ankle jerks absent _____ right _____ left _____ both

_____ Tenderness of belly of gastrocnemius

_____ Nerve tenderness. If present, location _____

TABLE AVI. 8 (contd)

Hx & Px - 9

Subject's Code No. _____

_____ Hyperesthesia. If present, location _____
_____ Vibratory sense lost on malleoli ____ right ____ left ____ both
_____ Anesthesia. If present, location _____
_____ Symmetrical muscular atrophy in extremities
_____ Pretibial pitting edema
_____ Pitting edema of feet
_____ Pitting edema over sacrum
_____ Spasticity. If present, detail _____

_____ Romberg's sign
_____ Squatting test positive
_____ Position sense in hallux valgus absent _____ right _____
left _____ both

_____ Light touch. If absent, location _____
_____ Pin prick. If absent, location _____
_____ Temperature sense. If absent, location _____
_____ Signs of rickets. If present, detail _____
_____ Signs of osteomalacia. If present, detail _____
_____ Other bone disturbances. If present, detail _____

_____ Other neurological abnormalities. If present, detail _____

Detailed Descriptions of Abnormal Findings

TABLE AVI. 8 (contd)

Hx & Px - 10

Subject's Code No. _____

Diagnoses

Nutritional Status Satisfactory _____

Nutritional Status Abnormal _____ Specify _____

No other Disease Processes _____

Other Disease Processes. If present, diagnosis _____

TABLE AVI. 9

PROGRESS NOTES

Place _____ Date _____

Subject's Code No. _____ Observer _____

Spontaneous Complaints. None _____ If other, detail:

Elicited Complaints. None _____ If other, detail:

Weight with clothes _____ lb.

General condition _____

_____ Pulse. Position _____

_____ Blood pressure. Position _____

Detailed description of any abnormal physical findings not originally

present _____

WHITE BLOOD COUNT
(cells/mm³)

[illegible][illegible]

TABLE AVI. 11

WHOLE BLOOD GLUCOSE

Date _____

[illegible][illegible]

Date _____

[illegible]

TABLE AVI. 13

Date _____

SEDIMENTATION RATE AND HEMATOCRIT

[illegible]

TABLE AVI. 14

Measurement		Nutrient Mixture	
Unit	Activity		
Per- iod	Inclusive Dates	Water Unlimited in EI & II	Water Restricted in EI & II
		Subject Code No.	Subject Code No.
P r e P e r i o d	Week 1		
W e e k 2	Week 2		
E x p e r i m e n t a l	Week 1		
W e e k 2	Week 2		
R e c o v e r y	Week 1		
W e e k 2	Week 2		

TABLE AVI. 15

Measurement			Nutrient Mixture			
Unit			Activity			
			Water Unlimited in EI & II		Water Restricted in EI & II	
	D a y	Date	Subject Code No.	Subject Code No.	Subject Code No.	Subject Code No.
P r e P e r i o d	1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
E x p e r i m e n t a l	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27					
	28					
R e c o v e r y	29					
	30					
	31					
	32					
	33					
	34					
	35					
	36					
	37					
	38					
	39					
	40					
	41					
	42					

TABLE AVI. 16

Balance		Nutrient Mixture						Activity					
Unit		Water Unlimited in EI & II			Water Restricted in EI & II			Water Restricted in EI & II			Water Restricted in EI & II		
Per-iod	Inclusive Dates	Subj. Code No.	In- take	Total Output	Bal- ance	Subj. Code No.	In- take	Total Output	Bal- ance	Subj. Code No.	In- take	Total Output	Bal- ance
P r e P e r i o d	Week 1												
	Week 2												
E x p e r i m e n t a l	Week 1												
	Week 2												
R e c o v e r y	Week 1												
	Week 2												

TABLE AVI. 17

DATE _____

TABLE AVI. 18

CODE FOR RECORDING FOODS EATEN

____ (1) Crackers	____ (20) Bacon
____ (2) Jam	____ (21) Sausage
____ (3) Cheese	____ (22) Ham and Eggs
____ (4) Peanuts	____ (23) Roast Beef
____ (5) Catsup	____ (24) Beef and Gravy
_____	____ (25) Hamburgers
____ (6) Peaches	____ (26) Beef and Vegetables
____ (7) Pears	____ (27) Meat Balls-Spaghetti
____ (8) Pineapple	____ (28) Luncheon Meat
____ (9) Fruit Cocktail	____ (29) Vienna Sausage
____ (10) Apricots	____ (30) Pork and Gravy
_____	____ (31) Ham Chuncks
____ (11) Green Beans	_____
____ (12) Corn	____ (32) Rice Pudding
____ (13) Peas	____ (33) Date Pudding
____ (14) Tomatoes	____ (34) Fig Pudding
____ (15) Lima Beans	____ (35) Fruit Cake
____ (16) White Potatoes	____ (36) Dried Milk
____ (17) Sweet Potatoes	____ (37) Cocoa Powder
____ (18) Tomato Soup	____ (38) Chocolate Bars
____ (19) Ck. Noodle Soup	____ (39) Tootsie Rolls
_____	____ (40) Caramel Bar
_____	____ (41) Gum
_____	_____

TABLE AVI. 19

ANALYSIS SHEET

[illegible][illegible]

DIET ANALYSIS SHEET

Date _____

[illegible]

DIET ANALYSIS SUMMARY SHEET
FOR DIET

FOR DIET

Date _____

[illegible]

TABLE AVI. 22

DAILY DIETARY ORDER

NAME	DIET ORDER	REMARKS